1980 Interest Rate Futures Statistical Annual

Chicago Board of Trade

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1980 Interest Rate Futures Statistical Annual

For The Year Ended December 31, 1980

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* Each section covering a specific contract (e.g. CDR GNMA or Treasury bonds) will be organized in this order:

- Sectional Introduction
- Rules and Regulations
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- Monthly Ranges of Futures Prices
- Deliveries
- Miscellaneous Information

INTRODUCTION

In October, 1975, the Chicago Board of Trade pioneered interest rate futures trading with a futures contract in GNMA certificates. In its first full year of trading, GNMA futures contracts equivalent to $15 billion were traded on our market. In 1980, that figure had soared to over $165 billion.

Subsequently, other interest rate futures contracts were developed which have also experienced remarkable growth. Trading volume in U.S. Treasury bond futures, introduced in August, 1977, amounted to over $466 billion in 1980.

The interest rate futures market has grown because of the need for buyers and sellers of debt instruments to shift the price risks of interest-rate fluctuations to those who are more willing to accept such risks. The increasing volatility of interest rates has accentuated the need for this risk-transfer mechanism. The net result of this trading activity is a more efficient allocation of risk in the economy — a process that benefits our entire society.

As the interest rate futures market has grown, so has the need for accurate statistics relating to the market. On the following pages, you will find information on our two GNMA contracts, the Treasury bond contract, the 4 to 6 year Treasury note contract and the two commercial paper contracts. The book is arranged by commodity; each section contains information on contract specifications, volume, open interest, futures prices, cash prices and deliveries. If you need further information, please write or call directly to:

Chicago Board of Trade
Market Information
LaSalle at Jackson
Chicago, IL 60604
312 435-3636

CHICAGO BOARD OF TRADE

Highest and Lowest Recorded Prices by Futures Contract for 1979 and 1980 Delivery

Commodity	1980 DELIVERY Highest	Date Occurred	Lowest	Date Occurred
GNMA (Pts. & 32nds at Par)				
March	$78-31	Jan. 2, 1980	$66-10	March 7, 1980
June	82-12	June 17, 1980	65-18	March 7, 1980
Sept.	83-02	June 13, 1980	65-24	Feb. 22, 1980
Oct.	73-05	Sept. 10, 1980	68-28	Sept. 26, 1980
Nov.	73-05	Sept. 10, 1980	71-18	Sept. 15, 1980
Dec.	83-00	June 13, 1980	65-25	Nov. 7, 1980
U.S. Bonds (Pts. & 32nds at Par)				
March	$82-02	Jan. 2, 1980	$62-27	Feb. 22, 1980
June	87-07	June 13, 1980	63-15	Feb. 22, 1980
Aug.	80-15	July 18, 1980	75-09	Aug. 1, 1980
Sept.	86-25	June 13, 1980	64-05	Feb. 22, 1980
Nov.	80-24	July 22, 1980	67-11	Nov. 3, 1980
Dec.	86-13	June 13, 1980	63-08	Dec. 11, 1980
Comml. Paper (Index)				
March	$88.14	Jan. 10, 1980	$81.50	March 18, 1980
June	92.75	June 19, 1980	80.95	March 25, 1980
Sept.	92.40	June 13, 1980	82.10	March 17, 1980
Dec.	91.95	June 13, 1980	82.00	Dec. 11, 1980
C.D. GNMA (Pts. & 32nds at Par)				
March	$78-01	Jan. 10, 1980	$65-13	March 7, 1980
June	80-20	May 7, 1980	64-24	March 24, 1980
Sept.	82-00	June 20, 1980	64-30	March 24, 1980
Dec.	82-19	May 7, 1980	64-12	Dec. 9, 1980
Comml. Paper 30 (Index)				
March	$88.10	Jan. 10, 1980	$85.20	Feb. 26, 1980
June	88.80	Jan. 17, 1980	83.66	March 27, 1980
Sept.	91.69	July 24, 1980	84.70	March 27, 1980
Dec.	89.01	Sept. 23, 1980	85.50	March 24, 1980
Treasury Notes (Pts. & 32nds of 100 Pct.)				
March	$90-08	Jan. 7, 1980	$78-09	Feb. 27, 1980
June	92-29	June 3, 1980	76-23	Feb. 23, 1980
Sept.	92-00	May 22, 1980	78-09	Feb. 27, 1980

Commodity	1979 DELIVERY Highest	Date Occurred	Lowest	Date Occurred
GNMA (Pts. & 32nds at Par)				
March	$89-20	Feb. 2, 1979	$87-13	Feb. 22, 1979
June	89-22	Feb. 2, 1979	85-14	May 8, 1979
Sept.	89-25	Feb. 2, 1979	83-18	Sept. 18, 1979
Dec.	89-25	Feb. 2, 1979	73-26	Oct. 24, 1979
U.S. Bonds (Pts. & 32nds at Par)				
March	$92-02	Feb. 2, 1979	$89-03	March 1, 1979
June	92-09	Feb. 2, 1979	87-20	May 4, 1979
Sept.	92-18	Jan. 29, 1979	87-28	May 4, 1979
Dec.	92-18	Feb. 2, 1979	77-23	Nov. 8, 1979
Comml. Paper (Annualized Discount)				
March	$11.74	Jan. 2, 1979	$10.15	March 8, 1979
June	11.77	Jan. 2, 1979	9.83	June 20, 1979
Sept.	12.70	Sept. 18, 1979	9.20	June 13, 1979
Dec.	15.40	Oct. 23, 1979	8.74	June 27, 1979
C.D. GNMA (Pts. & 32nds at Par)				
March	$89-15	Feb. 2, 1979	$87-18	Jan. 10, 1979
June	89-22	Feb. 2, 1979	85-27	May 4, 1979
Sept.	89-28	Feb. 2, 1979	84-10	Sept. 6, 1979
Dec.	89-25	Jan. 26, 1979	74-15	Oct. 24, 1979
Comml. Paper 30 (Index)				
Sept.	$91.09	June 27, 1979	$88.50	Sept. 13, 1979
Oct.	91.05	June 27, 1979	88.50	Sept. 14, 1979
Nov.	91.10	July 2, 1979	85.80	Oct. 30, 1979
Dec.	91.30	July 9, 1979	85.40	Oct. 25, 1979
Treasury Notes (Pts. & 32nds of 100 Pct.)				
Sept.	$97-17	July 2, 1979	$93-22	Sept. 6, 1979
Dec.	97-18	July 2, 1979	86-11	Oct. 25, 1979

CHICAGO BOARD OF TRADE

All-Time Highest and Lowest Recorded Prices by Futures Contract

Commodity	Highest	Date Occurred	Lowest	Date Occurred
GNMA (Pts. & 32nds at Par)				
Jan.	$73-05	Sept. 10, 1980	$71-18	Sept. 15, 1980
Feb.	73-05	Sept. 10, 1980	71-18	Sept. 15, 1980
March	101-05	Jan. 3, 1977	86-27	July 7, 1978
April	97-27	April 14, 1976	95-01	Feb. 10, 1976
June	100-06	Dec. 30, 1976	87-07	July 7, 1978
Sept.	99-18	July 26, 1977	87-03	July 7, 1978
Oct.	93-06	Sept. 11, 1978	91-01	Oct. 13, 1978
Nov.	93-00	Sept. 11, 1978	91-07	Oct. 13, 1978
Dec.	101-27	Dec. 3, 1976	86-30	July 5, 1978
U.S. Bonds (Pts. & 32nds at Par)				
Feb.	$80-20	July 22, 1980	$64-24	Dec. 11, 1980
March	103-08	Aug. 26, 1977	90-00	Dec. 20, 1978
May	80-15	July 22, 1980	65-30	Dec. 11, 1980
June	102-24	Aug. 26, 1977	90-09	Dec. 20, 1978
Aug.	80-15	July 18, 1980	75-09	Aug. 1, 1980
Sept.	102-14	Aug. 26, 1977	90-15	July 10, 1978
Nov.	80-24	July 22, 1980	67-11	Nov. 3, 1980
Dec.	103-23	Aug. 26, 1977	90-12	July 10, 1978
Comml. Paper (Annualized Discount)				
March	$91.62	June 11, 1980	$6.76	Sept. 26, 1977
June	92.75	June 19, 1980	7.17	April 17, 1978
Sept.	92.40	June 13, 1980	7.55	Sept. 27, 1977
Dec.	91.95	June 13, 1980	6.30	Sept. 26, 1977
C.D. GNMA (Pts. & 32nds at Par)				
Jan.	$92-26	Sept. 12, 1978	$92-05	Sept. 18, 1978
March	92-23	Sept. 12, 1978	87-23	Dec. 28, 1978
June	92-15	Sept. 12, 1978	87-29	Dec. 20, 1978
Sept.	92-09	Sept. 12, 1978	88-07	Dec. 28, 1978
Nov.	93-04	Sept. 12, 1978	90-10	Nov. 2, 1978
Dec.	92-31	Sept. 12, 1978	88-05	Dec. 21, 1978
Comml. Paper 30 (Index)				
March	$91.65	June 27, 1979	$87.25	Nov. 15, 1979
June	89.30	Dec. 6, 1979	87.70	Nov. 19, 1979
Sept.	91.69	July 24, 1980	88.50	Sept. 13, 1979
Oct.	91.05	June 27, 1979	88.50	Sept. 14, 1979
Nov.	91.10	July 2, 1979	85.80	Oct. 30, 1979
Dec.	91.30	July 9, 1979	85.40	Oct. 25, 1979
Treasury Notes (Pts. & 32nds of 100)				
March	$97-20	July 2, 1979	$86-21	Oct. 25, 1979
June	97-05	July 2, 1979	87-07	Nov. 5, 1979
Sept.	97-17	July 2, 1979	85-00	Oct. 25, 1979
Dec.	97-18	July 2, 1979	86-11	Oct. 25, 1979

CHICAGO BOARD OF TRADE

Highest Recorded Volume of Sales and Open Contracts by Commodity for One Day

	Volume	Date Occurred	Open Contracts	Date Occured
Wheat (000 Bu.)	222,700	July 2, 1980	450,175	Oct. 4, 1979
Corn (000 Bu.)	555,610	Sept. 12, 1980	329,917	Nov. 21, 1980
Oats (000 Bu.)	41,653	Nov. 13, 1945	22,866	Feb. 5, 1925
Soybeans (000 Bu.)	587,565	Oct. 30, 1980	224,578	Dec. 9, 1980
Soybean Oil	30,297	Oct. 22, 1980	91,407	Nov. 28, 1980
Soybean Meal	33,017	Dec. 1, 1980	89,194	Nov. 21, 1980
Iced Broilers	4,268	Aug. 1, 1973	10,749	Aug. 13, 1973
Plywood	4,278	Sept. 19, 1972	10,508	Feb. 26, 1974
Silver	34,472	Dec. 27, 1979	281,962	Dec. 30, 1977
100 oz. Gold	3,185	May 4, 1979	6,740	Nov. 21, 1979
GNMA's-CDR	38,682	Dec. 12, 1980	115,622	Dec. 23, 1980
CD-GNMA	1,391	Sept. 6, 1979	11,279	Aug. 27, 1979
Treasury Bonds	80,060	Dec. 12, 1980	250,731	Dec. 23, 1980
90 Commercial Paper	1,980	May 22, 1979	1,627	Dec. 29, 1979
30 Commercial Paper	75	May 14, 1979	161	July 9, 1979
All Commodities Highest	354,809	Dec. 12, 1980	1,151,118	Nov. 21, 1980
All Commodies Lowest	6	Jan. 17, 1946		

DATES TRADING BEGAN FOR CHICAGO BOARD OF TRADE COMMODITIES

Wheat	1877	Iced Broilers	August 1, 1968	CD-GNMA	September 12, 1978
Corn	1877	Plywood	December 1, 1978	Treasury Bonds	August 22, 1977
Oats	1877	Silver	November 3, 1969	Treasury Notes	June 25, 1979
Soybeans	October 5, 1936	Gold 3 kg.	December 31, 1974	90-Day Comm. Paper	Sept. 26, 1977
Soybean Oil	July 17, 1950	Gold 100 troy oz.	February 20, 1979	30-Day Comm. Paper	May 14, 1979
Soybean Meal	August 19, 1951	CDR-GNMA	October 20, 1975		

CHICAGO BOARD OF TRADE
Monthly Volume of Sales by Contract for 1980 and 1979

1980	Wheat M. Bu.	Corn M. Bu.	Oats M. Bu.	Soybeans M. Bu.	Total All Grains M. Bu.	Soybean Oil Contracts	Soybean Meal Contracts	Iced Broiler Contracts	Plywood Contracts	Silver Contracts	Old Gold Contracts	1 Kilo Gold Contracts	GNMA CDR Contracts	GNMA CD Contracts	Treasury Bond Contracts	Treasury Note Contracts	90-Day Comml. Paper Contracts	30-Day Comml. Paper Contracts
January	2,063,940	3,287,105	56,935	3,221,725	8,629,705	200,671	172,624	1,194	10,605	88,719	57	8,323	170,446	3,265	311,065	124	1,650	16
February	2,216,100	3,226,655	85,310	2,915,730	8,443,795	210,320	159,210	733	11,908	32,592	19	5,651	155,505	1,806	332,388	107	2,073	8
March	1,897,060	3,493,325	53,805	2,807,950	8,252,140	177,085	152,132	589	12,452	35,473	–	7,112	156,282	1,230	349,313	158	1,636	30
April	2,091,475	3,690,310	81,090	3,035,430	8,898,305	185,001	182,983	257	19,084	23,576	–	3,166	190,271	1,333	423,428	–	1,679	–
May	2,053,960	3,264,975	131,520	2,910,980	8,361,435	198,150	159,134	121	15,266	14,539	–	2,838	219,729	1,166	520,493	10	1,864	–
June	2,011,435	3,361,795	144,835	3,602,420	9,120,485	216,918	183,921	70	13,393	19,751	2	9,651	248,385	1,964	608,647	1	1,178	4
July	3,336,025	6,722,340	204,720	6,803,475	17,063,560	361,795	370,771	418	16,903	11,047	–	6,460	161,990	1,069	502,743	–	1,158	4
August	1,949,385	7,310,300	183,930	5,226,080	14,669,695	284,816	281,500	201	13,384	9,895	–	4,183	151,597	294	516,356	–	1,067	2
September	2,550,965	6,286,670	199,565	6,562,020	15,599,220	329,855	371,877	177	13,185	25,157	–	7,759	133,939	176	501,210	–	1,150	2
October	2,719,840	6,609,495	147,130	7,706,115	17,182,580	332,634	413,565	232	14,191	17,999	–	4,885	204,955	182	691,597	–	1,420	1
November	2,190,435	6,454,955	167,880	7,025,245	15,838,515	326,978	369,325	97	12,869	24,362	–	3,973	214,458	40	722,469	–	902	–
December	2,060,175	6,026,950	150,950	7,023,815	15,261,890	343,672	401,696	40	16,310	37,923	–	7,400	318,735	94	1,009,846	50	219	–
Total	27,140,795	59,734,875	1,604,670	58,840,985	147,321,325	3,167,895	3,318,738	4,079	169,550	341,033	78	71,401	2,326,292	12,619	6,489,555	449	15,996	67

1979	Wheat M. Bu.	Corn M. Bu.	Oats M. Bu.	Soybeans M. Bu.	Total All Grains M. Bu.	Soybean Oil Contracts	Soybean Meal Contracts	Iced Broiler Contracts	Plywood Contracts	Silver Contracts	Old Gold Contracts	1 Kilo Gold Contracts	GNMA CDR Contracts	GNMA CD Contracts	Treasury Bond Contracts	Treasury Note Contracts	90-Day Comm. Paper Contracts	30-Day Comm. Paper Contracts
January	888,620	1,733,605	59,315	3,701,195	6,382,735	214,980	204,652	1,597	18,102	353,964	7,132	–	89,762	2,397	95,298	–	3,826	–
February	843,295	2,281,150	93,940	5,037,610	8,255,995	291,470	244,506	2,823	16,761	269,190	3,781	3,839	79,810	1,545	98,337	–	3,812	–
March	804,885	2,738,635	51,555	4,123,145	7,717,820	233,753	290,295	3,364	13,070	293,472	762	10,021	68,057	4,336	95,510	–	5,168	–
April	659,725	3,302,050	95,385	3,856,365	7,913,525	254,363	219,412	2,037	9,364	230,043	376	9,203	82,029	6,067	110,394	–	3,243	–
May	1,092,420	3,750,860	87,065	3,686,235	8,616,580	212,339	211,184	2,549	10,836	387,521	281	12,586	99,752	12,122	181,806	–	4,938	511
June	1,878,475	5,704,760	135,670	5,484,655	13,203,560	321,676	382,169	3,322	12,574	212,322	177	9,160	111,767	6,663	169,093	–	2,932	247
July	1,931,950	5,806,145	127,785	4,183,910	12,059,790	313,044	257,902	2,071	9,389	252,040	175	10,090	76,997	5,641	170,498	4,144	2,934	246
August	1,805,565	3,998,850	111,580	2,843,085	8,759,080	252,541	182,644	1,689	11,543	247,501	63	14,731	95,274	8,177	157,160	1,658	2,706	146
September	1,849,715	3,135,175	76,050	2,920,345	7,981,255	262,024	186,344	1,166	11,150	217,373	18	9,330	164,451	13,068	221,169	562	2,963	83
October	2,713,695	4,521,545	98,615	3,946,205	11,280,060	311,594	219,583	1,372	14,958	151,554	57	7,040	164,932	8,694	271,093	230	2,765	26
November	1,857,935	3,793,620	96,030	3,115,160	8,862,745	222,297	183,337	2,352	10,053	56,222	12	5,349	157,853	4,935	249,352	1,130	2,845	21
December	1,550,695	2,592,200	47,050	2,673,830	6,873,775	191,565	146,793	1,339	9,220	49,387	10	6,160	180,394	3,720	259,884	644	1,570	12
Total	17,876,975	43,385,595	1,079,640	45,571,740	107,886,950	3,081,646	2,647,821	25,681	146,570	2,720,589	12,844	97,509	1,371,078	77,365	2,059,594	11,599	39,702	1,292

CHICAGO BOARD OF TRADE
Annual Volume of Sales by Contract

	Wheat M. Bu.	Corn M. Bu.	Oats M. Bu.	Soybeans M. Bu.	Total All Grains M. Bu.	Soybean Oil Contracts	Soybean Meal Contracts	Iced Broiler Contracts	Plywood Contracts	Silver Contracts	3 Kilo Gold Contracts	100 Troy oz. Gold Contracts	GNMA CDR Contracts	GNMA CD Contracts	Treasury Bond Contracts	Treasury Note Contracts	90-Day Comml. Paper Contracts	30-Day Comml. Paper Contracts
1980	27,140,795	59,734,875	1,604,670	58,840,985	147,321,325	3,167,895	3,318,738	4,079	169,550	341,033	78	71,401	2,326,292	12,619	6,489,555	449	15,996	67
1979	17,876,975	43,358,595	1,079,640	45,571,740	107,886,950	3,081,646	2,647,821	25,681	146,570	2,720,589	12,844	97,509	1,371,078	77,365	2,059,594	11,599	39,072	1,292
1978	12,780,679	30,635,495	1,078,876	42,386,385	86,881,435	2,909,284	2,493,086	74,684	261,483	2,657,833	56,470		953,161	6,527	555,350		18,767	
1977	9,103,950	25,109,135	549,850	39,980,695	74,743,630	2,535,046	2,373,453	64,983	368,770	2,257,059	13,758		422,421		32,101		3,553	
1976	14,869,140	23,046,296	634,425	27,370,894	65,920,755	1,685,312	1,524,312	117,639	233,374	2,011,043	10,940		128,537					
1975	11,314,205	24,195,239	772,580	19,566,950	55,848,974	1,489,736	761,056	179,483	285,784	1,952,693	55,304		20,125					
1974	11,890,330	23,395,210	997,430	13,656,485	49,939,455	1,620,316	878,182	221,128	339,718	1,505,789	1,143							
1973	7,837,285	20,374,173	973,766	13,711,529	42,896,753	1,762,747	660,732	331,881	277,121	1,642,272								
1972	4,275,315	9,712,610	208,735	20,218,625	34,415,285	1,110,485	629,697	23,199	216,877	754,045								
1971	2,793,640	10,414,400	226,240	15,619,355	29,053,635	1,537,194	478,327	54,891	218,856	511,391								

Note: 1974 total wheat includes gulf wheat volume.
1976, 1975, 1972, 1971 total soybean meal volume includes soybean meal "B" volume.
1967 through 1970 inclusive, entire in Total All Grains column includes Rye volume for those years.
See 1974 Statistical Annual for choice steer volume of trading for years 1967 through 1971 inclusive.
See 1976 Statistical Annual for Stud Lumber volume of trading for years 1972 through 1976 inclusive.

Section 1
GNMA Futures

GNMA modified pass-through certificates are mortgage-backed securities guaranteed by the Government National Mortgage Association and by the full faith and credit of the U.S. government under the National Housing Act. GNMA certificates were created to attract investors to the mortgage market in order to aid the housing industry. The resulting national market for housing finance permitted mortgage bankers and savings and loans to issue greater amounts of mortgage money at low interest rates. Since 1970 an active secondary market in GNMA certificates has developed. The amount of outstanding GNMA's in 1970 was valued at $452 million. Today that figure is approximately $110 billion.

The Chicago Board of Trade became the first futures exchange to offer buyers and sellers of mortgages the opportunity to protect themselves against adverse changes in interest rates. By using our GNMA futures contract, mortgage dealers shift much of the risk involved in issuing mortgages to private speculators. Speculators in GNMA futures contracts hope to profit from interest rate fluctuations. They also provide valuable liquidity to the market place and perpetuate an important price discovery mechanism.

GNMA futures at the Board of Trade have become an important part of our financial marketplace. Average daily trading volume is 10,000 contracts; open interest is currently 115,161 contracts. The original GNMA contract calls for delivery of a Collateralized Depositary Receipt (CDR). A more recent addition, the Certificate Delivery GNMA contract, calls for delivery of the actual GNMA certificate. The purposes of its design were to facilitate a cash-futures arbitrage mechanism and to provide GNMA originators with an alternative delivery market. Together the two contracts provide mortgage market participants with viable risk management tools to hedge against the adverse effects of interest rate volatility.

The basic trading unit is $100,000 principal balance of GNMA certificates with a stated interest rate of 8% or its equivalent. The deliverable grade is a modified pass-through mortgage backed certificate guaranteed by the Government National Mortgage Association. Yield equivalent coupons are based on the Board of Trade's designated interest rate of 8% at the settlement price under the assumption of a 30-year certificate pre-paid in the 12th year. GNMA futures contracts are quoted on a percentage of par with a minimum price fluctuation of 1/32 of a point or $31.25 per contract. The original contract was introduced at the Board of Trade in October, 1975. The Certificate Delivery contract was begun in September, 1978.

Government National Mortgage Association (GNMA) Collateralized Depositary Receipt (CDR)

Trading Conditions

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* These Rules and Regulations were current as of January 1, 1981 when this book went to press. Since amendments are often made to these rules, please contact the Chicago Board of Trade or a firm which is a member of the Chicago Board of Trade before relying on the rules and regulations published in this book.

GOVERNMENT NATIONAL MORTGAGE ASSOCIATION (GNMA) COLLATERALIZED DEPOSITARY RECEIPT (CDR)

Trading Conditions

1701.00 Authority—Mortgage Backed Certificates guaranteed by Government National Mortgage Association and Related Financial Instruments. On or after May 19, 1975 trading in Mortgage Backed Certificates guaranteed by Government Mortgage Association and Related Financial Instruments may be conducted under such terms and conditions as the Board may prescribe by regulation. Trading in Mortgage Backed Certificates guaranteed by Government National Mortgage Association and Related Financial Instruments shall be supervised as directed by the Board.

1702.01 Application of Regulation—Futures transactions in Mortgage Backed Certificates guaranteed by the Government National Mortgage Association shall be subject to the general rules of the Association as far as applicable and shall also be subject to the regulations contained in this chapter, which are exclusively applicable to trading in Mortgage Backed Certificates guaranteed by Government National Mortgage Association herein after called GNMA.

1704.01 Unit of Trading—The unit of trading for GNMA shall be $100,000 principal balance of multiples thereof.

1705.01 Months Traded In—Trading in GNMA may be conducted in the current month and any subsequent months as determined by the Financial Instruments Committee or the Board.

1706.01 Price Basis—Minimum price fluctuations shall be in multiples of one thirty-second (1/32) point per 100 points ($31.25 per contract). Par shall be on the basis of 100 points. Contracts shall not be made on any other price basis.

1707.01 Hours of Trading—The hours of trading for future delivery in GNMA-CDR shall be determined by the Board. On the last day of trading in an expiring future, the closing time for such future shall be 12:00 noon subject to the provision of the second paragraph of Rule 1007.0. The market shall be opened and closed for all months simultaneously.

A. *Limits.* Trading is prohibited during any day in futures contracts of commodities traded on this Exchange at a price higher or lower than either:

1. The settlement price for such commodity on the previous business day, or
2. The average of the opening range or the first trade during the first day of trading in a futures contract, or
3. The price established by the Market Report Committee in an inactive future.

Plus or minus, except as provided in paragraph B, the following sums with respect to such commodities (variable limits in ( ) followed by the dollar value of a limit move):

Commercial Paper (90-day)	50 basis points per unit of trading (75) – $1250 ($1875)
Commercial Paper (30-day)	50 basis points per unit of trading (75) – $1250 ($1850)
GNMA-CDR	64/32 per unit of trading (96/32) – $2000 ($3000)
GNMA-CD	64/32 per unit of trading (96/32) – $2000 ($3000)
Treasury Bonds	64/32 per unit of trading (96/32) – $2000 ($3000)
Treasury Notes	64/32 per unit of trading (96/32) – $2000 ($3000)

B. *Variable Limits.* If three or more contracts within a crop year (or all contracts in a crop year if there are less than three open contracts) close on the limit bid for three successive business days or limit sellers for three successive business days, then the limit will remain at 150 percent of the original level for another three day period.

If three or more contract months (or all contracts in a crop year if there are less than three open contracts) in a given crop year close on the limit bid for the next three business days or on the limit sellers for three successive business days then the limits will remain at 150 percent of the original level for another three day period.

The limits would remain at 150 percent for successive periods of three business days until three or more contracts in a crop year (or all contracts in a crop year if there are less than three open contracts) do not close at the limit on one day during that period. If at anytime during a three day business period the three or more contract months (or all contracts in a crop year if there are less than three open contracts) do not close on the limit bid or limit sellers then the limits would revert to their original level at the end of the three day period.

C. *Current Month Exclusions.* The provisions of this Regulation shall not apply to trading in the current month on and after the first notice day thereof in Crude Soybean Oil, Soybean Meal, Iced Broilers, Plywood, Stud Lumber, and Financial Instruments and to trading in the current month on and after two business days preceding the first notice day thereof in Silver and Gold. The exception to financial instruments is the CD-GNMA, whereby trading limits shall bot be in effect from the first day of the current month to the last day of trading in that same month.

In the case of any commodity in which the limits do not apply on and after the first notice day in the current month or two business days preceding first notice day and there are only three contract months open in a given crop year, one of which is the spot month, the provisions of this Regulation shall apply to the remaining two months.

D. *Limit Bid; Limit Sellers definitions.* The term "close on the limit bid" or "close on the limit sellers" as used in paragraph B are defined as follows:

Limit Bid. Restricted to a situation in which the market closes at an upward price limit on an unfilled bid. When a close is reported as a range of different prices, the last price quoted must be limited bid.

Limit Sellers. Restricted to a situation in which the market closes at a downward price limit on an unfilled offer. When a close is reported as a range of different prices, the last price quoted must be a limit ask.

E. *Crop Year Definitions.* For purposes of paragraph B governing variable limits, a crop year would be defined as follows:

Corn. All contract months from December through September with at least two open months.

Wheat, Oats. All contract months from July through May with at least two open months.

Soybeans. All contract months from November through September with at least two open months.

Soybean Oil, Soybean Meal. All contract months from November through October with at least two open contract months.

Plywood, Silver, Iced Broilers, Gold, GNMA, Commercial Paper and Treasury Bonds. All contract months from January through December with at least two open months.

1708.01A Trading Limits—The Crude Soybean Oil and Soybean Meal Committee has been asked to interpret the following sentence:

> "These provisions (trading limits) shall not apply to trading in the current month on and after the first notice day thereof."

The question that arises is whether this means that first business day of the delivery month or the first notice day of the contract which would be the last business day of the previous month.

The Committee is of the opinion that it is the intention of the Regulations that the meaning of the sentence includes that first notice day which is the last business day of the month preceding the delivery month.

1709.01 Last Day of Trading—No trades in GNMA futures deliverable in current month shall be made during the last seven business days of that month and any contracts remaining open must be settled by delivery or as provided in Regulation 1709.02 after trading in such contracts has ceased.

1709.02 Liquidation in the Last Seven Days of the Delivery Month—After trading in contracts for future delivery in the current delivery month has ceased in accordance with Regulation 1709.01 of this chapter outstanding contracts for such delivery may be liquidated by the delivery of CDRs (Regulation 1744.01) or by mutual agreement by means of a bona fide exchange or such current futures for the actual GNMA certificate or comparable instruments. Such exchange must, in any event, be made no later than the fifth business day immediately preceding the last business day of the delivery month.

1710.01 Margin Requirements—Margin requirements shall be determined by the Board by regulation. Minimum margin requirements which go into effect when limits are increased in accordance with Regulation 1707.01, are in parentheses.

(1) *Initial Margins.* Other than Hedging or Spreading. Under the provisions of Rule 431.00, the Board hereby fixes the following minimum initial margins for future transactions, other than hedging and spreading transactions:

Commercial Paper (30-day)	$1500 per contract ($2000)
Commercial Paper (90-day)	$1500 per contract ($2000)
GNMA-CDR	$2500 per contract ($3000)
GNMA-CD	$2500 per contract ($3000)
Treasury Bonds	$2500 per contract ($3000)
	except in the current delivery month on and after the first notice day—$2500 per contract ($3000)
Treasury Notes	$900 per contract ($1400)

(2) *Maintenance Margins.* Subject to the provisions of Paragraph 14 of Regulation 431.02, maintenance margin levels on all commitments in futures (other than hedging or spreading transactions) shall be as set forth below as minimum:

Commercial Paper (30-day)	$1500 per contract ($2000)
Commercial Paper (90-day)	$1500 per contract ($2000)
GNMA-CDR	$2000 per contract ($3000)
GNMA-CD	$2000 per contract ($3000)
Treasury Bonds	$1500 per contract ($2500)
Treasury Notes	$600 per contract ($1000)

(3) *Hedging Margins.* Subject to the provisions of Paragraphs 8, 9, 10 and 11 of Regulation 431.02, minimum initial and maintenance hedging margins on all commitments in futures shall be as follows:

Commercial Paper (30-day)	$1200 per contract ($1500)
Commercial Paper (90-day)	$1200 per contract ($1500)
GNMA-CDR	$1500 per contract ($2500)
GNMA-CD	$1500 per contract ($2500)
Treasury Bonds	$1500 per contract ($2500)
Treasury Notes	$600 per contract ($1000)

(4) *Spreading Margins.* Subject to the provisions of Paragraphs (a) through (e), the minimum initial margin of spreading transactions shall be as follows:

Intra-market spreads (involving the same commodity) where both sides of the transaction are carried on the books of one member firm shall be margined to the market, except as follows:

Commercial Paper (30-day)	$200 per contract
Commercial Paper (90-day)	$200 per contract

Intra-market spreads involving months which are 12 months or more apart, will be margined at $200 per contract for the following commodities:

GNMA-CDR
GNMA-CD
Treasury Bonds
Treasury Notes

Intra-market spreads where both sides of the transactions are carried on the books of one member firm shall be as follows:

GNMA (CD) vs. GNMA (CDR)	$2000 per contract
GNMA (CD) or (CDR) vs. Treasury Bonds	$1000 per contract
30-day vs. 90-day Commercial Paper	$1600 per contract
Treasury Notes vs. GNMA (CD) or (CDR)	$1000 per contract
Treasury Notes vs. Treasury Bonds	$2000 per contract

(a) Where a customer specifies that a trade is part of an intermarket spread in the same commodity on the books of the same firm. The minimum initial margin on wheat, corn and oats shall be the same as the maintenance margin required in Paragraph (2) of this Regulation except as provided in Paragraph (d).

(b) Spreads involving the same crop year for soybeans (September and forward) against approximate equivalents of soybean meal and soybean oil (October and forward), shall be margined and maintained at 5 cents per bushel on the soybean side only.

Spreads involving different crop years for soybeans against approximate equivalents of soybean meal and soybean oil shall be margined and maintained at 15 cents per bushel on the soybean side only.

For the purpose of this paragraph, a customer may have a position of 5,000 bushels of soybeans against one contract of soybean meal and one contract of soybean oil or, may have a ratio of contracts that conform to generally accepted soybean processor crush relationships.

(c) On spreads of ten contracts of ice broilers against two contracts of corn and one contract of soybean meal, minimum initial margins shall be:

(1) For speculative accounts, minimum initial margins shall be the margin requirement as set forth in Paragraph (1) of this Regulation and must be maintained at the level required in Paragraph (2) of this Regulation on the commodity which requires the greater margin.

(2) For hedging accounts, minimum initial margins shall be required on one side only and shall be the margin requirement as set forth Paragraph (3) of this Regulation on the commodity which requires the greater margin.

(d) Intermarket spreads (involving the same commodity) where both sides of the transaction are carried on the books of one member firm shall be margined on the Chicago Board of Trade side as follows:

CBT Silver vs. Comex Silver	$250 per contract ($400)
CBT Gold vs. IMM or Comex Gold	$250 per contract ($400)
CBT Commercial Paper (30-day and 90-day) vs. IMM Treasury Bills	$500 per contract
CBT Plywood vs. CME Lumber	$200 per contract
CBT Broilers vs. CME Broilers	$100 per contract

1712.01 Reportable Positions—A position of 50 or more contracts, long or short, in any one future whether owned or controlled or carried for any member, either alone or in conjunction with any other person, shall be a reportable position.

Every member, or partnership or corporation for which a membership is registered under Rule 230.00, shall report each and every reportable position to the Office of Investigations and Audits at such times and in such form and manner as shall be prescribed by the Business Conduct Committee.

The word "member" shall be construed to import the plural or singular and shall include individuals, associations, partnerships, corporations and trusts having any privilege or membership in the Board of Trade of the City of Chicago.

Delivery Procedures

1736.01 Standards—The contract grade for delivery on futures contracts made under these regulations shall be Mortgage Backed Certificates guaranteed for the timely payment of principal and interest by the Government National Mortgage Association as described in the standard prospectus form HUD-1717 3/73, commonly known as Modified Pass Through certificates and bearing a stated interest rate of 8%. Deliverers at their option, may deliver GNMA delivered bear the same yield as the 8% GNMA when calculated at par and under the assumption of a 30 year mortgage with a 12 year life. Calculations on such deliveries shall be made as follows: The price at which the delivered GNMA yields the same as an 8% GNMA priced at par is found from yield tables. If the price falls between two quoted prices, the price should be interpolated linearly. The price arrived at is used as the denominator and 100 as the numerator of a ratio between the amount of GNMA to be delivered and the amount of 8% GNMA which should be delivered. Yields for any GNMA shall be determined in accordance with the yield tables provided in the standard prospectus form HUD-1717 3/73 and prepared by the Financial Publishing Co. of Boston, Mass.

For example: 8's at par yield 7.96%. When 9's are priced at 107½, they yield 7.94%. When 9's are priced at 107.0, they yield 8.00%. Therefore, interpolating lineraly, 9's will yield 7.96% at 107.333. 100 ÷ 107.333 = .931677. Therefore, you can deliver $100.00 x 931677 = $93,167.70 of GNMA 9's in fulfillment of a future contract. The following table may be helpful:

CALCULATION TABLE

Ginnie Mae Interest Rate (%)	Amount Equivalent to $100,000 Principal Balance of Ginnie Mae 8's
6.50	$112,123.30
7.00	107,816.70
7.25	105,820.10
7.50	103,806.20
7.75	101,867.50
8.00	100,000.00
8.25	98,219.80
8.50	96,501.80
9.00	93,167.70

1736.01A Deliverable Grade—Resolved, that the Board hereby interprets Regulation 1736.01 not to include GNMA securities including FHA-VA Builder Operative Loans (builder loans) issued as of April 18, 1980.

Further resolved, that pursuant to said interpretation, the Board hereby directs the GNMA securities representing "builder loans" may not be delivered in satisfaction of a GNMA-CDR contract.

And further resolved, that the Board direct that upon tender of GNMA securities, the seller shall be deemed to warrant that such GNMA securities comply with the standards set forth in the regulation.

1742.01 Deliveries on Futures Contracts—Deliveries against GNMA futures contracts shall be CDR's originated by Originators designated by the Board as regular to originate CDR's.

Interest accured on the CDR shall be charged to the buyer by the seller pro rated from the first day of the delivery month to the date of delivery of the CDR. In case of prepayments of interest pro rated adjustments shall be made.

Delivery must be made no later than the last business day of the month. Tender shall be one business day prior to delivery. Notice of intention to deliver shall be given to the Board of Trade Clearing Corporation by 8:00 p.m. on the business day preceding tender day.

All deliveries must be made through and assigned by the Clearing Corporation. Where a commission house as a member of the Clearing Corporation has an interest both long and short for customers on its own books, it must tender to the Clearing Corporation such notices of intention to deliver as it received from its customers who are short.

1743.01 Registration of CDR's—CDR's shall not be eligible for delivery on any day subsequent to the last interest payment date prior to becoming one year old. CDR's in order to be eligible for delivery must be registered with the Official Registrar appointed by the Board and must be in accordance with the requirements issued by the Registrar and the following requirements:

(a) A CDR must be endorsed by a Depositary (Regulation 1781.01) approved by the Board before the CDR will be registered by the Registrar.

(b) Originators who are regular for origination may register CDR's at any time. A CDR which has been cancelled may not be registered again.

(c) No notice to deliver a CDR shall be tendered to the Clearing Corporation unless said CDR is registered and in the possession of the Clearing Corporation member tendering the notice.

(d) When a notice of intention to deliver a CDR has been tendered to the Clearing Corporation, said CDR shall be considered to be "outstanding" until its registration is cancelled. The member issuing such notice shall transmit to the Registrar, at the same time the notice is tendered to the Clearing Corporation, the CDR number and the name of the regular Originator. From this information, and his own records of registration and of cancellations of outstanding CDR's, the Registrar shall maintain a current record of the number of CDR's outstanding and shall be responsible for posting this record on the Exchange Floor.

(e) A regular Originator who regains control of an outstanding CDR originated by himself shall cancel the registration of said CDR by noon of the next business day.

(f) Any cancellation procedures required by the Depositary (Regulation 1781.01) must occur subsequent to cancellation by the Registrar.

(g) The Registrar shall not divulge any information concerning the registration, delivery or cancellation of CDR's other than the record posted on the Exchange Floor, except that he shall issue a weekly report showing the total number of CDR's under registration as well as the number of CDR's outstanding as of 4:00 p.m. on the last trading day of each week. In addition to the information posted on the Exchange Floor, this weekly report shall show the names of Originators whose CDR's are registered and/or outstanding.

1743.02 Renewal of CDR's—ALL OUTSTANDING CDR's must be returned to the Originator of renewal on the last interest payment prior to becoming one year old. At such time, the Originator shall be obliged to provide the owner within two (2) business days a duly registered CDR which shall not require renewal prior to the next interest payment date. The CDR shall be originated by an Originator designated by the Board as regular to Originate CDR's.

Whenever a CDR is presented for payment of interest, the Originator shall be permitted to exchange the CDR for a CDR with at least one remaining interest payment and which is originated by any Originator designated by the Board as regular to originate CDR's. Such exchange must be completed within two (2) business days of presentation of the CDR for payment of interest.

1744.01 Format of CDR—The following form of CDR shall be used for delivery.

BOARD OF TRADE OF THE CITY OF CHICAGO
GNMA COLLATERALIZED DEPOSITARY RECEIPT
FOR DELIVERY
IN SATISFACTION OF A CONTRACT FOR
MORTGAGE BACKED CERTIFICATES GUARANTEED BY
GOVERNMENT NATIONAL MORTGAGE ASSOCIATION

This certificate is not valid unless registered by the Registrar of the Board of Trade of the City of Chicago and signed by a Depositary approved by the said Board.

_____
(Originator)

_____
(Depositary)

The undersigned Originator, regular to originate GNMA Collateralized Depositary Receipt hereinafter called CDR's under the Rules and Regulations of the Board of Trade of the City of Chicago, hereby agrees on presentation of this CDR at the office of his

depositary or correspondent bank to provide to bearer, at the office of his depositary or correspondent bank, one hundred thousand dollars ($100,000) principal balance of Mortgage Backed Certificates Guaranteed by Government National Mortgage Association conforming to the standards of the Board of Trade of the City of Chicago. The undersigned originator is permitted an excess of deficiency of 2½% above or below $100,000 principal balance, the excess or deficiency to be settled as described in the Rules and Regulations of the Board of Trade of the City of Chicago. (Regulation 1757/01d).

This CDR shall earn interest in the amount of six hundred and thirty five dollars ($635) due and payable on the second to last business day of each month on presentation of this CDR at _____

_____

located at _____ Chicago, Illinois 606___

Signed at _____ this ____ day of _____ 19___

By _____

Authorized Signature or Originator, Regular to originate CDR's under the Rules and Regulations of the Board of Trade of the City of Chicago.

_____

Authorized Signature of Depositary approved by the Board of Trade of the City of Chicago.

_____ 19 _____
Deposit Date

_____

Registrar for Board of Trade of the City of Chicago.

Registration Date _____

Registrar's Number _____

Registration cancelled for purpose of delivery of GNMA by owner of CDR or by originator of CDR for purpose of withdrawal of CDR.

Cancellation Date _____ Registrar _____

ENDORSEMENTS

In order to effect a valid delivery each CDR must be endorsed by the depositary and by the holder making delivery. Endorsement by the depositary shall constitute a warranty of the denuineness of the CDR. Endorsement by the holder making delivery shall constitute a warranty of good tile to the CDR's.

Date	Holder making delivery	Date	Depositary

Surrender Endorsement

The undersigned hereby surrenders this CDR and requests that the Originator register $100.00 principal balance of GNMA conforming to the standards of the Board of Trade of the City of Chicago in the name of _____

of _____

Signed _____ Date _____

1746.01 Date of Delivery—Delivery of CDR's may be made by the Seller upon and permissible delivery day of the delivery month the seller may select. Delivery or CDR's must be made no later than the last business day of the month.

1747.00 Delivery Notice—A seller obligated or desiring to make delivery of a commodity shall issue and deliver to the Clearing House a signed delivery notice containing the name and business address of the issuer; the date of issue; the date of delivery; the name of the commodity; and the total contracted quantity in satisfaction of which the delivery is being tendered.

Such notice shall also identify the type of documents by which delivery is to be effected, shall state the location(s) or delivery point(s) of the commodity; and, where contracts permit delivery of more than one grade, class or type of the commodity shall specify the grade(s), class(es) and/or type(s) of the commodity being tendered. Provided, however, that on the final notice day of the month, the information called for in this paragraph may be omitted from the notice.

1747.01 Delivery Notices—Unless a different form is prescribed by Regulation pertaining to a particular commodity, all delivery notices under Rule 1747.00 shall be in the following form:

DELIVERY NOTICE

Office of

_____ _____

_____

Dated at Chicago _____ 19 _____

For delivery on _____ 19 _____

For our _____ account

BOARD OF TRADE CLEARING CORPORATION:

In accordance with and subject to the Rules and Regulations of the Board of Trade of the City of Chicago, we hereby make tender of delivery in satisfaction of contract(s) of sale of

_____ of _____

(000 bushels or number of contract(s) (Commodity)

at delivery price established for the above delivery date. Details of delivery tendered hereby are set forth in data processing (Delivery) cards submitted herewith and made a part hereof.

WE CERTIFY THAT, where data processing (Delivery) cards submitted here with specify delivery of warehouse receipts or equivalent documents (W/R), bills of lading (B/L), shipping certificates (S/C) or demand or demand certificates (D/C), the documents are for the grades and classes or types of commodity in, ordered to or deliverable from the locations specified in such cards. Where other delivery is specified in such cards, we will furnish to assigned buyers all information and/or documents required by said Rules and Regulations in the time and manner prescribed by such Rules and Regulations.

_____

(Authorized Signature)

The Clearing House shall prescribe the form of data processing (Delivery) cards, not inconsistent with these Rules and Regulations, which must be submitted with delivery notices issued in the above form.

1748.00 Method of Delivery—Delivery notices must be delivered to the Clearing House which shall assign the deliveries to clearing members (buyers) having contracts to take delivery of the same amounts of the same commodities. The Clearing House shall notify such clearing members, in writing, of the deliveries which have been assigned to them and shall furnish to issuers of delivery notices the names of the clearing members obligated to accept their deliveries. Clearing Members receiving delivery notices shall assign delivery to the oldest open contracts on their books at the close of the business on the previous day (position day). 286.

1749.00 Time of Delivery, Payment Form of Delivery Notice—The requirements of the form of delivery notice, time of delivery, and payment shall be fixed by the Board. 287.

1749.01 Time of Issuance of Delivery Notice—Unless a different time is prescribed by Regulation pertaining to a particular commodity, delivery notices and supporting data processing (Delivery) cards must be delivered to the Clearing House by 8:00 P.M. on position day except that, on the last notice day of the delivery month, delivery notices and supporting data processing cards may be delivered to the Clearing House until 2:00 P.M. on intention day. The Clearing House shall, on the same day, assign the deliveries to eligible buyers as provided in Rule 1058.00 and shall issue to each buyer a delivery assignment notice describing the delivery which has been assigned to him. A copy of each delivery notice sent to the Clearing House must be sent promptly to the Commodity Futures Trading Commission also. 1636.

1749.01A Clarification of Regulation 1049.01—Your attention is called to Regulation

1049.01 which was amended by the Directors on August 16th, as you were advised under date of August 18th.

You will note that the last clause was deleted and the following new clause substituted: "Except on Saturday when such deliveries must be taken and such payment made before 9:30 o'clock A.M. the next banking business day." This merely makes delivery and payment permissive until 9:30 o'clock A.M. Monday, or Tuesday where Monday is a bank holiday, but, does not prevent the buyer from taking delivery and making payment on Saturday if he so desires and if he is able to do so under the present banking situation.

The above comment is not intended as an interpretation, but to call your attention to the effect of the amendment to Regulation 1049.01. 22R.

1749.01B Interpretation: Sellers' Obligation for Storage Charges—The Director have issued the following interpretation of Rule 1042.00, Rule 1041.00 and Regulation 1049.01 in connection with the time the responsibility for storage charges changes from seller to buyer.

The responsibility for storage charges shall remain the obligation of the seller until such time as the warehouse receipts or weight certificates are presented to the buyer and payment is made therefor in conformity with the Regulations concerning payment. 24R.

1749.02 Buyers' Report of Eligibility to Receive Delivery—Prior to 8:00 P.M. of each day on which delivery notices may be delivered to the Clearing House, each clearing member shall report to the Clearing House, at such times and in such manner as shall be prescribed by the Clearing House, the amounts of his purchases of the various commodities then eligible for delivery which remain open on his books in accordance with law and with the Rules and Regulations of the Association. Such reports shall show the dates on which such purchases were made, and shall exclude purchases to which the clearing member has applied deliveries assigned to him which remain open on his books pending receipt of delivery. 1637.

1749.03 Sellers' Invoices to Buyers—Upon determining the buyers obligated to accept deliveries tendered by issuers of delivery notices, the Clearing House shall promptly furnish each issuer the names of the buyers obligated to accept delivery from him and a description of each commodity tendered by him which was assigned by the Clearing House to each such buyer. Thereupon, sellers (issuers of delivery notices) shall prepare invoices addressed to their assigned buyers describing the documents to be delivered to each buyer and, in the case of deliveries under Rule 1042.00, the information required in said Rule. Such invoices shall show the amount which buyers must pay to sellers in settlement of the actual deliveries based on the delivery prices established by the Clearing House for the purpose adjusted for applicable premiums, discounts, storage charges, quantity variations and other items for which provision is made in these Rules and Regulations relating to contracts, and shall be in the form set forth hereunder unless a different form is prescribed by Regulation pertaining to a particular commodity. Such invoices shall be delivered to the Clearing House by 4:00 P.M. on the day of intention. Upon receipt of such invoices, the Clearing House shall promptly make them available to buyers to whom they addressed, by placing them in buyers' mail boxes provided for that purpose in the Clearing House.

DELIVERY INVOICE

Office of

NO. _____

_____

_____

For delivery on _____
(Date)

against C.H. Assignment Notice No. _____

To _____
(Buyer's code number and name)

For the delivery of _____
(Net quantity, per list total below)

of _____
(Grade, class, commodity)

In, ordered to, or to be shipped from _____
(Warehouse, delivery or shipping point)

As evidenced by the documents listed below:

At the established delivery price of _____ per _____ $ _____
Premium or discount on grade _____
Storage and insurance, or premium, for a total of _____days _____
Other charges or credits _____
TOTAL AMOUNT DUE – THIS INVOICE $ _____

Financial instruments futures contracts will follow the invoicing procedure that is prescribed in the respective contract's invoicing regulation. Delivery invoicing forms for financial instruments futures contracts shall be restricted to that form which the Board of Trade Clearing Corporation specifically provided.

Whse. Receipt or certificate		Net Quantity	Prem-Disc. on Grade		Adjustment for Stge-Ins-Prem.				Other charges or credits	
Date	Number		Rate	Amount	Pd. thru	Days	Rate	Amt.	Dr. Cr.	Amount & description

1749.04 Payments shall be in accordance with Regulation 1049.04 and shall be in U.S. currency.

1750.00 Duties of Members—Members shall deliver warehouse receipts, bills of lading, shipping certificates or demand certificates tendered for delivery pursuant to the Rules and Regulations of the Association and in accordance with the assignment thereof to eligible buyers by the Clearing House, and shall make no other disposition thereof. A member who alters or makes a false endorsement on a notice of assignment of delivery issued by the Clearing House under Rule 1048.00, for the purpose of avoiding acceptance of the delivery specified, therein, should be deemed guilty of an act detrimental to the Welfare of the Association.

1751.01 Office Deliveries Prohibited—No office deliveries or warehouse certificates may be made by members of the Clearing Corporation. Where a commission house as a member of the Clearing Corporation has an interest both long and short for customers on its own books, it must tender to the Clearing Corporation such notices of intention to deliver as it receives from its customers who are short.

1754.00 Failure to Accept Delivery—Where a buyer to whom a delivery has been assigned by the Clearing House under Rule 1048.00 fails to take such delivery and make payment is due, the seller tendering such delivery shall promptly sell the commodity on the open market for the account of the delinquent. He shall then immediately notify the Clearing House of the default, the contract price, and the re-sale price, and the Clearing House shall immediately serve a like notice upon the delinquent. Thereupon the delinquent shall be obligated to pay to the seller, through the Clearing House, the difference between the contract price and the re-sale price.

Rule 1754.00 provides that then a buyer fails to take delivery and make payment at the prescribed time, the issuer of the delivery shall promptly sell the commodity on the open market for the account of the delinquent.

Does this mean that the seller is to sell the warehouse receipts in the cash market or sell futures in the pit and make a new tender? Also, what is the meaning of the term 'promptly'? If the deliverer, thinking to accommodate the delinquent, waits until 1:10, at which time the market is 5 cents ($.05) lower than at 1:00 has he assumed any liability because of the delay? If it is the warehouse receipts which are to be sold out, what determines the market price? Frequently an elevator operator will pay more for his own receipts than for another's: or a processor may pay a higher basis for one grade than another, grade differential to the contrary. If futures are to be sold in the pit, who then is responsible for the mechanics of tender and the assumption of interest?

The Board approved the opinion of the Rules Committee that the seller must have the right to act in either the cash or futures market at his discretion without recourse on the part of the defaulting buyer so long as action is taken prior to 9:45 A.M. the next business day.

1757.01 Surrender of CDR's–

(a) Originator shall provide GNMA at the office of his Depositary or correspondent bank in the immediate vicinity of the Exchange (Regulation 1781.01(b) subject to the Rules and Regulations of the Exchange:

1. Within 15 business days of receipt by the Originator's Depositary correspondent bank of a properly endorsed and cancelled CDR. Surrender day is business day one in counting the 15 business day period.

2. Originator's Depositary or correspondent bank must provide upon request by the owner of the CDR's, no later than three business days prior to the receipt of GNMA certificates by the owner, the pool numbers, interest rates and amounts of GNMA to be provided for each CDR.

(b) The originator of a CDR who provides GNMA shall be responsible for payment:

1. To the party surrending a CDR of interest accrued on the CDR prorated from the first day of the month in which the CDR was surrendered up to but not including the date of surrender.

2. Of any applicable taxes or other charges for the provision of the certificate(s).

(c) The Originator is liable for payments representing the principal and interest required to be paid under the terms of the GNMA certificate from the date of receipt of a properly endorsed and cancelled CDR at the office of his Depositary or correspondent bank until the date of reissue in the owner's name, at which time the Originator shall pay this amount to the owner.

Specifically, surrender of a CDR shall be considered as similar to cash market sale of GNMA certificates as follows. In all circumstances the principal and interest settlement for GNMA certificates provided shall be the amount outstanding on record for the calendar month in which surrender is dated according to Regulation 1757.01(e), except in the case that the Originator provides new production of GNMA certificates during the month following surrender of CDR's that do not have a factor in the month in which surrender occurs. In this case the factor used shall be one. On receipt of GNMA certificates the surrendering party (or designate) shall pay to the Originator interest accrued on the GNMA certificates from the first of the month in which the CDR was surrendered up to but not including the date of surrender of the CDR. If the principal and interest payment (on the GNMA certificates delivered), for the month during which the CDR was surrendered is transmitted to the Originator then the Originator shall, on receipt of the payment or on delivery of the certificates if subsequent to receipt of the payment, forward the amount to the surrending party or designate.

(d) Originator will be permitted an excess or deficiency of 2½% above or below $100,000 of 8% GNMA or its equivalent as defined in Regulation 1736.01. The excess of deficiency to be settled in cash and on a par basis.

Each CDR shall be surrendered on an individual basis and delivery GNMA certificates against surrender must be made on the basis on $100,000 of 8% GNMA or its equivalent (as defined in Regulation 1736.01) per individual CDR, and may not be settled on the aggregate, unless it is mutually agreed upon by both the Originator and the surrendering party.

(e) All CDR's received at the office of the Originator's Depositary or correspondent bank prior to 3:30 P.M. on a given business day shall be considered dated that day and shall be entitled to equal treatment as herein provided. CDR's received after 3:30 P.M. on a business day shall be considered dated the following business day.

(f) Originator shall be liable for any monetary damages sustained by the owner of the CDR if the GNMA are not ready for receipt by the owner fifteen business days after receipt by the Depositary or correspondent bank of the CDR, and may also be subject to penalties by the Board.

Damages and penalties are to be determined by the Arbitration Committee, or, if the parties do not agree upon arbitration, then by the Financial Instruments Committee after opportunity for a hearing.

(g) If it becomes impossible for an Originator to provide GNMA at the office of his Depositary or correspondent bank because of an act of God, fire, flood, wind, explosion, war, embargo, civil commotion, sabotage, law, act of government, labor difficulties, than in any such event, the Originator shall, at no expense to the holder of the CDR cause the GNMA to be provided at the office or cor-

respondent bank of some other approved Depositary. If the Board finds that the aforementioned condition of impossibility prevails at a majority of Depositaries or correspondent banks than provision may be delayed for the number of days that such impossibility prevails at a majority of Depositaries or correspondent banks, but without additional expense to the owner of the CDR.

(h) In the event that an Originator is unable to either pay interest due on CDR's or to satisfy each CDR for GNMA Certificates for any reason except those reasons covered by Regulation 1757.01(g) the Board shall have the authority, without liability to the holders thereof, to cancel registration of all registered CDR's originated by that Originator and to require the Depositary to retain all principal and interest payment on GNMA held in safekeeping by that Originator.

The bearers of CDR's cancelled under this Regulation and persons who have submitted CDR's for surrender but have not received the GNMA certificates shall have full claim on all GNMA and principal and interest payments in the Deposit Account. This shall not prejudice the claims of these persons for additional damages against the Originator.

Regularity of Depositaries

1780.01 Duties of the Depositary –

(a) By endorsing a CDR a Depositary will be deemed to warrant that at the time of endorsement of the CDR he has in safekeeping sufficient contract grade GNMA to satisfy the CDR for $100,000 principal balance of contract grade GNMA.

(b) If the principal balance of GNMA in safekeeping falls below $100,000 of contract grade GNMA or its equivalent (Regulation 1736.01) for each originated CDR, then the Depositary shall:

(1) Inform the Registrar by writing, telex or telegraph within 24 hours.

(2) Request the Originator to raise the GNMA principal balance to $100,000 or above within 3 business days.

(3) Retain all principal and interest payments on the GNMA in safekeeping until the Originator has compiled with (2) above.

(c) On receipt of a properly endorsed and cancelled CDR the Depositary shall notify the Originator within 24 hours of receipt of the CDR by the Depositary or correspondent bank whereupon the Originator shall either:

(1) Instruct the Depositary to re-register within 15 business days of receipt of the CDR by the Depositary or correspondent bank sufficient GNMA from safekeeping as the Originator shall direct to satisfy the Originator's obligations under the CDR. These GNMA must be re-registered as specified on the Surrender Endorsement.
(See Regulation 1751.01 (c))

or

(2) Within 15 business days of receipt of the CDR by the Depositary or correspondent bank provide to the Depositary or correspondent bank sufficient GNMA to satisfy the Originator's obligations under the CDR. These GNMA must be re-registered as specified on the Surrender Endorsement.
(See Regulation 1757.01 (c))

1781.01 Conditions of Regularity–The Board shall approve Depositaries who shall hold GNMA certificates in safekeeping on behalf of the Originator of a CDR to the extent specified in Regulation 1780.01.

(a) An approved depositary must be a U.S. Bank, (either federal or state charter), or an entity owned and controlled by any such bank with capital, (capital, surplus and undivided earnings), in excess of $100,000,000.

(b) The Depositary shall maintain an office or correspondent bank office (correspondent bank) in the immediate vicinity of the Exchange, where owners of CDR's may surrender cancelled CDR's present CDR's for interest payments and receive GNMA certificates in accordance with Regulation 1751.01.

(c) GNMA certificates held by Depositary under these Regulations shall be registered in the name of the Depositary of his nominees.

(d) Depositary shall keep a record indicating the type of GNMA Certificate or

Certificates used to satisfy each CDR upon its surrender, and a record as to whether such Certificate or Certificates were taken from the Deposit Account or delivered by the Originator.

1781.02 Examination of Depositary—The Depositary shall accord every facility to and duly authorized committee or agent of the Board of Trade of the City of Chicago for the examination of its books or records for the purpose of ascertaining the stocks of GNMA. The Exchange shall have the authority to employ experts to determine the quantity and quality of GNMA in the Deposit Account and to compare said quantity and quality with the books and records of said Depositary

1782.01 Cancellation of Registration—If the Originator fails to comply with Regulation 1780.01 (b2), or Regulation 1780.01 (c) the Board shall have the authority, without liability to the holders thereof, to cancel the registration of all outstanding CDRs originated by that Originator.

The bearers of CDRs cancelled under this regulation and persons who have submitted CDRs for surrender but have not received the GNMA certificates shall have full claim on all GNMA and principal and interest payments in the Deposit Account. This shall not prejudice the claims of these persons for additional damages against the Originator.

1786.01 GNMA CDR Depositaries—Following is a listing of approved depositaries for GNMA CDRs as of April, 1979:

- Continental Illinois National Bank and Trust Company of Chicago
- First National Bank of Chicago
- Harris Bank and Trust Company

Regularity of Originators

1791.01 Conditions of Regularity for Originators of CDRs—Originators, who desire to become regular for the origination of CDRs and for the provision of GNMA certificates under the Rules and Regulations of the Board of Trade of the City of Chicago (Association) shall make application for a Declaration of Regularity on a form (Regulation 1795.01) prescribed by the Association for a term expiring the next succeeding June 30.

Regularity shall be effective 30 days after all terms and conditions have been met and notice to that effect has been posted on the bulletin board of the association. Applications for renewal of regularity must be made prior to June 1 of each year for the year beginning July 1 and shall be on the same form (Regulation 1795.01). The following shall constitute the requirements and conditions of regularity:

(1) The Originator must deposit with and for the exclusive use of the Board of Trade of the City of Chicago, U.S. Treasury Bills in an amount which satisfies the following conditions:

   (a) A minimum of $50,000 of U.S. Treasury Bills must be deposited with the Exchange at all times for the priviledge to originate up to 50 CDRs. For each CDR issued over 50, a minimum addition of $1,000.00 per CDR shall be deposited with the Exchange. The Board of Directors or the Financial Instruments Committee reserves the right to adjust these minimum requirements as needed for the proper functioning of the Exchange. These funds on deposit are for the exclusive use of the Association at all times.

   (b) Before a CDR can be registered with the Association, a specified amount of U.S. Treasury Bills for each CDR registered must be on deposit with and for the exclusive use of the Association. The amount of U.S. Treasury Bills per CDR shall be determined by the Board of Directors or the Financial Instruments Committee.

   (c) Treasury Bills shall be deposited with and for the exclusive use of the Association and shall act as security against default and as security to fulfill all obligations of the Originator, as set forth in the Rules and Regulations of the Association. Treasury Bills deposited with and for the exclusive use of the Association may be sold and the proceeds distributed to any person, including the Association, when, in the sole discretion of the Board of Directors of the Association, such person suffers damage as a result of the default of an Originator or the failure of an Originator to fulfill all obligations as set forth in the Rules and Regulations of the Association pertaining to GNMA.

(2) The Originator shall adhere to the system of registration of CDRs and furnish to the Registrar of such CDRs all needed information to enable him to keep a correct record and account of all outstanding CDRs.

(3) The Originator shall make such reports, keep such records, and accord every facility to any duly authorized committee or agent of the Board of Trade of the City of Chicago for the examination of its books or records and shall comply with all regulations. 9075, 9072

1792.01 Cancellation of Registration of Originators—(See 1782.01)

1793.01 Originator Application to Increase Maximum Number of CDRs—Increases in the maximum number of CDRs which the Originator is regular to originate shall be effective 30 days after all terms and conditions have been met and notice to that effect has been posted on the bulletin board of the Association. All applications by Originators for an increase in the maximum of CDRs which they are allowed to originate shall be on the following form:

ORIGINATOR APPLICATION TO INCREASE
MAXIMUM NUMBER OF CDRS

_____ 19_____

Gentlemen:

We, the _____ (hereinafter called the Originator)

located at _____
(Address)

_____ hereby make application

to the Board of Trade of the City of Chicago for a Declaration of Regularity to originate _____
(Number)

additional CDRs, increasing the maximum number of CDRs that we are regular to originate from _____ to _____, subject to the conditions and agreements of
(number) (number)

Regulation 1795.01. The Originator recognizes that an increase in maximum number of CDRs shall be effective 30 days after all terms and conditions have been met and notice to that effect has been posted on the bulletin board of the Association.

_____
Originator

By _____
Name and Title

The Financial Instruments Committee recommends that the Originator be declared regular to originate _____ additional CDRs, increasing the numbers of CDRs
(number)

that the applicant is regular to originate from _____ to _____
(number) (number)

_____ _____
Chairman of the Financial Instruments Committee — Date

U.S. Treasury Bills in the amount of _____ duly filed _____ to bring the amount of U.S. Treasury Bills on deposit to a total of _____

_____
Secretary of the Board of Trade
of the City of Chicago

This application is approved and a Declaration of Regularity is granted by the Board of Trade of the City of Chicago.

_____
Secretary of the Board of Trade
of the City of Chicago

_____
Secretary of the Board of Trade
of the City of Chicago

_____
Date

1794.01 Revocation of Regularity—Regularity may be revoked at any time if the Originator or his depositary fails to carry out the duties as prescribed by these Regulations. If designation of an Originator as regular shall be revoked by the Board, it shall announce such revocation and its conditions on the bulletin board of the Association.

In the event of revocation or expiration of regularity, Originator shall bear costs of all expenses contingent upon obtaining for the holders of outstanding CDRs, new CDRs from other Originators who are regular for delivery.

1795.01 Application for Declaration of Regularity—All applications by Originators for a Declaration of Regularity under Regulation 1791.01 shall be on the following form:

ORIGINATOR'S APPLICATION FOR A DECLARATION OF REGULARITY FOR THE ORIGINATION OF GNMA COLLATERALIZED DEPOSITARY RECEIPTS AND FOR THE PROVISION OF GNMA CERTIFICATES UPON CONTRACTS FOR FUTURE DELIVERY UNDER THE CHARTER, RULES AND REGULATIONS OF THE BOARD OF TRADE OF THE CITY OF CHICAGO

_____, 19____

BOARD OF TRADE OF THE CITY OF CHICAGO
Chicago, Illinois

Gentlemen:

We, the_____ (hereinafter called the Originator)

located at _____
(Address)

_____ hereby make application

to the Board of Trade of the City of Chicago (hereinafter called Exchange) for a Declaration of Regularity to originate _____GNMA Collateralized Depositary
(number)

Receipts (CDRs) minimum of 50) to be surrendered for GNMA Certificates upon Exchange contracts for future delivery for a period beginning_____

and ending Midnight, June 30, 19 _____

Conditions of Regularity

A. Such declaration to regularity, if granted, shall be cancellable by the Exchange whenever any of the following conditions shall not be observed:

The Originator must:

(1) deposit with and for the exclusive use of the Exchange, U.S. Treasury Bills in such amount as may be required by the Board of Directors or the Financial Instruments Committee.

(2) meet such financial requirements as may from time to time be established by the Exchange.

(3) notify the Secretary of the Exchange immediately of any material change in its capital ownership or any adverse material change in its financial condition.

(4) make such reports, keep such records, and permit such financial inspections as the Exchange may prescribe and comply with all applicable Rules and Regulations.

(5) make application for renewal of the Declaration of Regularity in writing on or before June 1 of each year. If such application for renewal of regularity is not made by June 1, then the Declaration of Regularity shall be withdrawn at midnight on the following June 30.

AGREEMENTS OF THE ORIGINATOR

B. The Originator expressly agrees:

(1) that all CDRs tendered in satisfaction of futures contracts shall be satisfied with GNMA certificates in accordance with the provisions of Regulation 1736.01.

(2) that all CDRs will be registered with the Registrar of the Exchange.

(3) to fulfill the duties of Originator originating CDRs as set forth in Regulation 1757.01 in the Chapter of the Rules and Regulations of the Board of Trade of the City of Chicago pertaining to GNMA.

(4) to abide by the Rules and Regulations of the Exchange applicable to the origination and surrender of CDRs.

(5) that the Exchange may cancel said declaration of regularity, if granted, for any breach of said agreements.

(6) neither to withdraw as a regular Originator during the life of the Declaration of Regularity except after sixty (60) days notice or having obtained the consent of the Exchange, nor to decrease the maximum number of CDRs that he may originate except after thirty (30) days notice or having obtained the consent of the Exchange. Also to guarantee that the Originator shall have no CDRs outstanding at such time that he withdraws or fails to renew his status as a regular Originator.

(7) to maintain in a Deposit Account with a Depositary approved by the board sufficient contract grade GNMA to satisfy from the Deposit Account each registered CDR originated by that Originator for $100,000 principal balance of contract grade GNMA. All charges relating to the Deposit Account to be borne by the Originator.

(8) not to originate more CDRs than shall be prescribed by the Association.

(9) Treasury Bills shall be deposited with and for the exclusive use of the Association and shall act as security against default and as security to fulfill all obligations of the Originator, as set forth in the Rules and Regulations of the Association. Treasury Bills deposited with and for the exclusive use of the Association may be sold and the proceeds distributed to any person, including the Association, when in the sole discretion of the Board of Directors of the Association, such person suffers damage as a result of the default of an Originator or the failure of an Originator to fulfill all obligations as set forth in the Rules and Regulations of the Association pertaining to GNMA.

(10) that the signing of this application constitutes a representation that the conditions of regularity are complied with and will be observed during the life of the Declaration of Regularity and, if found to be untrue, the Exchange shall have the right to cancel said Declaration of Regularity immediately.

_____
Originator

By _____
Name and Title

The Financial Instruments Committee recommends that the applicant be declared Regular to originate _____ CDRs
(Number)

_____ _____
Chairman of the Financial
Instruments Committee

U.S. Treasury Bills in the amount of _____ duly filed _____
Date

_____
Secretary of the Board of Trade
of the City of Chicago

This application is approved and a Declaration of Regularity is granted by the Board of Trade of the City of Chicago.

_____
Chairman of the Board of Trade
of the City of Chicago

_____
Secretary of the Board of Trade
of the City of Chicago

_____
Date

ORIGINATORS	DEPOSITARY	NUMBER OF CDRs ORIGINATOR CAN ISSUE
Aardvark Financial Chicago, Illinois	Continental Bank	200
ACLI Government Securities, Inc. New York, New York	First National Bank of Chicago	2000
Bankers Trust Company New York, New York	First National Bank of Chicago	1000
Brody White Corporation New York, New York	Continental	1250
*Charter Mortgage Company Jacksonville, Florida	First National Bank of Chicago	600
Clayton Brokerage Co. of St. Louis, Inc. Clayton, Missouri	First National Bank of Chicago	500
*ContiCommodity Services, Inc. Chicago, Illinois	First National Bank of Chicago	500
Dorchester Partners Chicago, Illinois	First National Bank of Chicago	740
Drexel Burnham Lamberts, Inc. Chicago, Illinois	Continental Bank	500
E.F. Hutton & Company, Inc. Chicago, Illinois	First National Bank of Chicago	5000
First Boston Corporation, The New York, New York	First National Bank of Chicago	2500
Goldman, Sachs & Company New York, New York	First National Bank of Chicago	3000
Hennessy & Associates Chicago, Illinois	Continental Bank	300
Lehman Government Securities, Inc. New York, New York	Continental Bank	3000
Lombard-Wall, Inc. New York, New York	First National Bank of Chicago	1500
Maduff & Sons, Inc. Chicago, Illinois	First National Bank of Chicago	50
Merrill Lynch, Pierce, Fenner & Smith, Inc. New York, New York	Continental Bank	2000
Neuberger and Berman New York, New York	First National Bank of Chicago	1000
O'Connor Grain Company Chicago, Illinois	Continental Bank	100
Ohio Savings Association Cleveland, Ohio	Continental Bank	200
Paine, Webber, Jackson & Curtis, Inc. Chicago, Illinois	First National Bank of Chicago	500
Princeton/Newport Partner Princeton, New Jersey	First National Bank of Chicago	400
Salomon Brothers New York, New York	Continental Bank	3000
Security Pacific Mortgage Corporation & Subsidiary Denver, Colorado	First National Bank of Chicago	250

Shatkin Trading Company Chicago, Illinois	First National Bank of Chicago	4000
Thomson McKinnon Securities Inc. Chicago, Illinois	Continental	500

*Effective December 15, 1980

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jan	March 1980 Open		High	Low	Close		June 1980 Open		High	Low	Close		September 1980 Open		High	Low	Close	
1	HOLIDAY																	
2	78-28		78-31h	78-04	78-06	78-05	79-10		79-11h	78-17	78-19	78-18	79-23		79-25h	79-00	79-01	79-00
3	77-22	76-29	78-25	76-29	78-05	78-25	78-00	77-04	78-28	77-04	78-27	78-28	78-00	77-22	79-04	77-22	79-04	
4	77-25	77-22	78-14	77-22	77-24	77-25	78-00	78-02	78-25	78-00	78-04	78-05	79-01		79-01	78-20	78-20	
7	77-17	77-08	77-29	77-08	77-27	77-29	77-26	77-24	78-09	77-22	78-07	78-09	78-10		78-23	78-06	78-22	
8	78-05	78-07	78-24	77-31	78-19	78-20	78-14	78-17	79-02	78-10	78-30	78-29	78-31		79-16	78-27	79-12	
9	78-25	78-23	78-25	78-04	78-10	78-11	79-03	79-02	79-03	78-15	78-20		79-15		79-15	79-00	79-06	
10	78-15	78-18	78-31	78-10	78-26	78-24	78-26		79-10	78-21	79-04	79-01	79-12		79-25	79-05	79-19	
11	78-24	78-12	78-24	77-23	77-26	77-24	78-25	78-20	78-28	78-04	78-05	78-06	79-09		79-10	78-19	78-21	78-22
14	77-27		78-05	77-16	77-25		78-06	78-05	78-17	77-28	78-05	78-04	78-19		79-00	78-11	78-20	
15	77-21	77-20	78-04	77-15	77-25	77-26	77-30		78-16	77-28	78-06	78-07	78-13	78-15	78-28	78-11	78-19	78-20
16	77-19	77-20	78-00	77-16	77-29	77-28	78-01		78-15	77-29	78-11	78-12	78-15		78-28	78-14	78-26	
17	78-07	78-12	78-12	77-01	77-04	77-01	78-21	78-30	78-30	77-20	77-21	77-22	79-06	79-05	79-06	78-04	78-05	
18	76-20	76-15	76-20	75-31	76-13		77-05	77-03	77-08	76-19	76-31	77-00	77-20	77-21	77-22	77-06	77-16	
21	75-31	75-29	76-03	75-05	75-13	75-12	76-19	76-17	76-21	75-19	75-24		77-04	77-05	77-05	76-08	76-08	
22	75-27	75-24	76-10	75-24	76-06	76-07	76-10	76-05	76-18	75-31	76-12	76-13	76-20	76-22	77-03	76-20	76-30	
23	75-31	76-00	76-17	75-31	76-11	76-12	76-06	76-05	76-25	76-05	76-21	76-22	77-00		77-10	76-30	77-07	
24	76-10	76-09	76-10	75-03	75-10	75-09	76-15	76-14	76-16	75-12	75-19		77-01		77-01	76-01	76-08	
25	74-16	74-23	75-06	74-16	75-01	75-05	75-03	75-05	75-05	74-20	74-25	74-26	75-24		75-26	75-13	75-15	
28	74-30	74-28	75-05	74-20	74-22	74-20	74-22	74-25	74-29	74-15	74-19	74-17	75-20		75-22	75-04	75-04	
29	74-24		74-29	73-22	73-25		74-23	74-25	75-00	73-24	73-26		75-08	75-09	75-18	74-16	74-16	74-18
30	73-30	73-29	74-14	73-12L	73-25	73-26	73-31		74-10	73-04L	73-17	73-19	74-21		74-27	73-28L	74-04	
31	73-24	73-25	74-18	73-24	74-04	74-05	73-24		74-22	73-22	74-02	73-31	74-12		75-06	74-12	74-21	

Jan	December 1980 Open		High	Low	Close		March 1981 Open		High	Low	Close		June 1981 Open		High	Low	Close	
1	HOLIDAY																	
2	79-29		79-31h	79-06	79-08		79-22		79-23	79-01	79-01		79-15		79-18h	78-27	78-27a	
3	78-08		79-11	78-08	79-08	79-10	78-00		79-04	78-00	79-04		78-05		78-31	78-05	78-30	
4	78-26	78-27	79-14	78-24	78-25		78-31		78-31	78-19	78-21		78-22		78-22	78-13	78-15	
7	78-15		78-29	78-13	78-29		78-11		78-23	78-10	78-22		78-08		78-17	78-08	78-17b	
8	79-04		79-22	79-01	79-19		78-29		79-17	78-29	79-15		78-26		79-11	78-24	79-10	
9	79-24		79-24	79-06	79-12	79-13	79-10		79-12	79-04	79-08		79-02		79-03	78-30	79-01	
10	79-15		79-29	79-13	79-23		79-10		79-24h	79-09	79-17a		79-12		79-18	79-10	79-13	
11	79-15		79-16	78-24	78-29		79-11		79-12	78-23	78-24		78-25		79-00	78-18	78-18a	
14	78-27	78-28	79-06	78-16	78-27		78-17		79-02	78-16	78-25		78-12		78-28	78-07	78-19a	
15	78-22		79-02	78-18	78-26		78-19		79-00	78-17	78-24		78-15		78-25	78-10	78-16	
16	78-19		79-05	78-19	79-00		78-19		78-31	78-19	78-31		78-18		78-27	78-18	78-27b	
17	79-10		79-10	78-09	78-09		79-09		79-09	78-06	78-11	78-06	79-03		79-03	78-02	78-02a	
18	77-20		78-00	77-16	77-24		77-25	77-20	77-30	77-20	77-27		77-18		77-27	77-18	77-24	
21	77-11		77-13	76-20	76-22		77-18		77-18	76-30	76-31b		77-12		77-12	76-27	76-28	
22	77-01		77-18	77-00	77-15		77-06	77-09	77-24	77-06	77-23		77-06		77-21	77-06	77-21b	
23	77-14		77-25	77-14	77-22		77-24		77-30	77-24	77-28		77-19		77-26	77-19	77-26	
24	77-15		77-15	76-22	76-28		77-17		77-17	77-03	77-05		77-19		77-19	77-03	77-05	
25	76-15		76-18	76-05	76-10		76-30	77-04	77-05	76-18	76-18		76-30		77-01	76-18	76-22	
28	76-12		76-15	75-26	75-27	75-26	76-25		76-27	76-08	76-08a		76-20		76-21	76-06	76-06	
29	75-31		76-08	75-05	75-05		76-12		76-18	75-20	75-20		76-14		76-18	75-20	75-20a	
30	75-07		75-17	74-18L	74-25		75-25		75-28	75-01L	75-09	75-10	75-27		75-29	75-03L	75-10	
31	74-27		75-23	74-27	75-08		75-18		76-02	75-18	75-19a		76-02		76-02	75-21	75-21	

Jan	September 1981 Open		High	Low	Close		December 1981 Open		High	Low	Close		March 1982 Open		High	Low	Close	
1	HOLIDAY																	
2	79-11		79-11h	78-19	78-19a		79-02		79-02h	78-09	78-09a		78-25		78-25	78-02	78-02a	
3	77-20		78-22	77-20	78-22b		77-18		78-14	77-18	78-14b		77-10		78-06	77-10	78-06b	
4	78-14		78-14	78-05	78-07		78-04		78-04	77-29	77-31		77-28		77-28	77-21	77-21	
7	78-01		78-09	77-27	78-09		77-24		78-01	77-22	78-01b		77-10		77-24	77-10	77-24	
8	78-22		79-07	78-13	79-02b		78-10		78-25	78-10	78-25		78-01		78-16	78-01	78-16	
9	78-26		78-27	78-23	78-23		78-18		78-18	78-12	78-15		78-12		78-12	78-10	78-10	
10	78-26		79-10	78-26	79-05a		78-14		79-02	78-14	78-29		78-18		78-26h	78-18	78-22a	
11	78-28		78-29	78-11	78-11a		78-20		78-20	78-03	78-03a		78-05		78-11	77-27	77-27	
14	78-06		78-20	78-03	78-10		77-30		78-12	77-28	78-04		77-20		78-05	77-20	77-28	
15	78-16		78-16	78-05	78-09		77-29		78-09	77-29	78-01		77-22		78-00	77-22	77-25	
16	78-07		78-19	78-07	78-19b		77-31		78-11	77-31	78-11b		77-24		78-04	77-24	78-04b	
17	78-25		78-25	78-02	78-03		78-19		78-19	77-26	77-26a		78-12		78-12	77-19	77-19a	
18	77-14		77-21	77-13	77-16		77-04		77-13	77-04	77-11		77-00		77-08	76-26	77-04	
21	77-07		77-07	76-21	76-21		76-28		76-28	76-14	76-14		76-26		76-26	76-09	76-09a	
22	77-08		77-15	77-03	77-15		77-00		77-09	77-00	77-09b		76-26		77-03	76-26	77-03b	
23	77-17		77-26	77-09	77-25		77-09		77-14	77-07	77-14		76-28		77-10	76-28	77-10	
24	77-00		77-02	77-00	77-00		76-26		76-31	76-26	76-26		77-05		77-05	76-22	76-23	
25	76-21		76-23	76-16	76-18		76-17		76-20	76-08	76-08		76-16		76-16	76-08	76-08	
28	76-16		76-16	76-05	76-05a		76-13		76-13	76-04	76-04a		76-10		76-10	76-02	76-02	
29	76-10		76-15	75-15	75-15		76-05	76-04	76-08	75-12	75-12a		76-05		76-07	75-09	75-09a	
30	75-20		75-22	74-30L	75-08		75-14		75-22	74-29L	75-06		74-31		75-17	74-27L	75-01	
31	75-23		75-30	75-19	75-19		75-23		75-24	75-14	75-14		75-20		75-20	75-11	75-11a	

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jan	June 1982 Open	High	Low	Close	September 1982 Open	High	Low	Close
1	HOLIDAY							
2	78-17	78-17	77-23	77-23a	78-01	78-01h	77-18	77-18a
3	77-01	77-30	77-01	77-30b	77-03	77-22	77-03	77-22b
4	77-20	77-20	77-13	77-15	77-12	77-12	77-06	77-08
7	77-06	77-16	77-06	77-16b				77-08n
8	77-26	78-07	77-26	78-07				77-31n
9				78-02n				77-26n
10	78-02	78-18h	78-02	78-15				78-08n
11	77-31	77-31	77-20	77-20a				77-13n
14	77-21	77-27	77-19	77-19	77-08	77-20	77-08	77-13
15	77-18	77-26	77-16	77-18	77-08	77-17	77-08	77-11
16	77-20	77-29	77-20	77-29b				77-22n
17	77-07	77-07	77-07	77-07				77-00n
18	76-24 76-18	77-00	76-18	76-30	76-25	76-25	76-23	76-23
21	76-05	76-10	76-04	76-04a	76-07	76-07	75-31	75-31a
22	76-25	76-29	76-23	76-29b	76-19	76-23	76-18	76-23b
23	76-25	77-05	76-25	77-05	76-27	77-00	76-27	77-00b
24	76-21	76-21	76-18	76-19	76-19	76-19	76-14	76-14a
25	76-10	76-10	76-05	76-05a				76-02n
28	76-01	76-05	75-31	75-31a				75-29n
29	76-01	76-01	75-05	75-05	76-03	76-03	75-02	75-02a
30	75-10	75-11	74-25L	75-02	74-27	75-08	74-27L	75-00
31				75-08n	75-11	75-11	75-05	75-05a

GNMA Volume Of Sales

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
1	HOLIDAY											
2	1,928	1,528	796	601	1,104	205	462	895	290	153	13	7,975
3	3,290	1,783	1,089	731	361	336	476	190	93	19	4	8,372
4	1,740	1,434	949	761	263	376	385	415	398	81	10	6,812
7	1,854	1,007L	698	397	419	270	126	57	32	5		4,865
8	2,473	2,132	883	893	181	334	368	303	133	183h		7,883
9	1,327	1,248	293	633	246	305	115	35	32			4,234L
10	1,902	2,257	480	921	271	391	521	403	224	13		7,383
11	2,745	1,746	720	270L	266	10L	189	264	63	100		6,373
14	2,057	1,683	262L	289	93L	187	51L	215	64	4	1L	4,906
15	2,501	2,030	403	350	196	144	60	47	140	73	5	5,949
16	1,936	1,272	523	575	157	96	114	216	59	31		4,979
17	2,839	2,201	901	706	329	150	85	8L	44	2L		7,265
18	3,509h	2,022	842	562	253	238	262	332	124	70	2	8,216
21	2,823	2,970	1,473	1,090	378	239	215	482	427h	41	3	10,141
22	2,105	2,519	708	812	580	296	239	565	190	48	34	8,096
23	1,926	1,711	1,336	1,265	1,280h	618	640	115	77	9	30	9,007
24	2,037	2,508	789	993	510	365	259	188	283	148	1	8,081
25	2,419	4,203h	2,161h	1,870h	769	518	294	378	173	71		12,856h
28	1,451	1,766	1,316	927	784	650	306	305	377	133		8,015
29	1,276	3,066	1,221	878	635	768h	1,348h	1,040h	257	97	44h	10,630
30	1,968	3,626	1,252	973	1,096	640	397	371	311	29	10	10,673
31	1,027L	3,693	716	476	418	371	263	362	6L		3	7,335
Total	47,133	48,405	19,811	16,973	10,589	7,507	7,175	7,186	3,797	1,310	160	170,046

GNMA Open Contracts

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
1	HOLIDAY											
2	8,329h	13,373	14,099h	12,651h	9,346h	7,230h	7,424h	7,974h	4,226	2,037h	44L	86,733h
3	7,976	13,405	13,691	12,443	9,235	7,103	7,271	7,887	4,208	2,029	45	85,293
4	7,936	13,187	13,386	12,093	9,217	6,981	7,088	7,758	4,127	2,035	45	83,853
7	7,737	13,092	13,249	12,129	9,031	6,856	7,069	7,765	4,128	2,027	45	83,128
8	7,695	13,121	13,298	11,791	9,071	6,601	7,041	7,764	4,121	1,916	45	82,464
9	7,609	13,084	13,217	11,543	8,998	6,583	7,013	7,754	4,093	1,916	45	81,855
10	7,631	13,335	13,206	11,385	8,988	6,296	6,841	7,356	3,948	1,916	45	80,947
11	7,578	13,410	13,047	11,117	8,990	6,292	6,924	7,295	3,951	1,916	45	80,565
14	7,576	13,641	12,947	10,999	8,902	6,311	6,916	7,296	3,954	1,916	45	80,503
15	7,612	13,782h	12,947	10,886	8,759	6,347	6,916	7,257	3,907	1,908	50	80,371
16	7,048	13,686	12,691	10,869	8,770	6,384	6,647	7,388	3,871	1,895	50	79,299
17	6,922	13,378	12,323	10,498	8,643	6,446	6,910	7,125	3,829L	1,894	50	78,018
18	6,479	13,502	12,232	10,570	8,612	6,311	6,956	7,046	3,868	1,923	52	77,551
21	6,322	13,181	11,377	10,098	8,417	6,331	6,912	7,057	3,996	1,885	53	75,659
22	6,063	13,118	11,291	10,133	8,315	6,234	6,824	6,745	4,064	1,857	48	74,692
23	5,997	12,800	10,800	9,780	8,209	6,212	6,974	6,735	4,072	1,857	63	73,499
24	5,849	12,658	10,739	9,566	8,174	6,113	6,680	6,775	4,238	1,838	64	72,694
25	5,452	12,215	10,665	9,133	7,877	5,986	6,495	6,674	4,254h	1,841	64	70,656
28	5,125	11,733	10,295	9,050	7,676	5,862	6,396	6,620	4,144	1,765L	64	68,730
29	5,000	11,511L	10,206	8,864	7,557	5,787	6,326	6,628	4,119	1,774	105	67,877
30	4,796	11,851	9,656	8,855	7,356	5,580L	6,141L	6,477L	4,126	1,770	111h	66,719
31	4,619L	11,538	9,503L	8,596L	7,129L	5,833	6,150	6,548	4,120	1,770	111	65,917L

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices
Open, High, Low and Close
Points and 32nds at Par

March 1980

Feb	Open		High	Low	Close	
1	74-00	74-01	74-11h	73-07	73-16	73-18
4	73-18		73-18	73-01	73-03	73-04
5	73-09		73-13	71-25	71-25	
6	71-30		72-06	70-11	71-23	
7	70-23		73-06	70-23	72-22	72-23
8	73-19	73-23	74-00	72-00	72-20	
11	72-22	72-10	72-22	70-31	71-07	
12	71-06		71-06	70-12	70-18	
13	70-21		71-17	70-21	71-13	71-14
14	72-10	71-30	72-10	70-23	71-07	
15	69-20		70-24	69-20	70-10	
18	HOLIDAY					
19	68-10		68-17	68-05	68-05a	
20	67-13	67-15	68-22	67-13	68-04	68-05
21	68-18		68-18	66-25	67-03	
22	66-15		69-02	66-15L	68-28	69-00
25	68-25		68-28	67-20	67-21	
26	66-26		67-22	66-26	67-18	67-20
27	67-00		68-22	67-00	67-15	
28	68-10		69-13	68-00	69-13b	
29	69-28		70-00	68-22	69-10	

June 1980

Open		High	Low	Close	
74-02	74-04	74-11h	73-06	73-12	
73-22	73-20	73-22	72-25	72-28	72-27
73-05	73-06	73-06	71-16	71-19	71-18
71-21	71-24	71-26	69-31	71-14	71-15
70-15	70-10	73-00	70-10	72-15	72-19
73-04	73-01	74-00	71-19	72-03	72-06
71-30	71-23	72-05	70-30	71-02	71-03
71-03	71-05	71-05	70-07	70-12	70-14
70-16	70-18	71-14	70-13	71-05	71-06
71-28		71-28	70-21	71-06	
71-10	70-31	71-10	69-07	70-02	70-01
69-04	68-20	69-04	68-01	68-01a	
67-04	67-01	68-10	67-01	67-23	67-22
67-30	68-01	68-01	66-02	66-15	66-14
66-01	66-00	68-14	65-22L	68-07	67-31
68-03	67-31	68-03	66-19	66-23	66-24
66-10	66-00	66-28	65-26	66-25	66-28
66-16	66-22	68-03	66-16	66-23	66-20
67-20	67-25	68-21	67-20	68-21b	
69-16	69-09	69-22	68-10	69-01	69-10

September 1980

Open		High	Low	Close	
74-18	74-16	74-27h	73-24	73-30	
73-29		73-29	73-05	73-10	73-08
73-17		73-17	71-27	71-30	
72-01	72-00	72-01	70-14	71-23	
70-24	70-23	73-12	70-23	72-28	73-00
73-14	73-20	74-13	72-00	72-18	
71-26		72-16	71-06	71-09	
71-04		71-07	70-14	70-18	70-17
70-28		71-21	70-19	71-15	
72-08		72-08	70-28	71-11	71-12
70-20		70-21	69-28	70-08	70-06
69-00	68-10	69-00	68-07	68-07a	
67-15	67-00	68-14	67-00	67-25	
68-02		68-03	66-07	66-17	
66-05	66-00	68-17	65-24L	68-00	
67-29		68-06	66-25	66-28	
66-15	66-10	67-01	66-00	66-31	
66-25		68-08	66-25	66-27	66-29
67-25		68-25	67-25	68-25	68-25b
69-20	69-15	69-30	68-18	69-09	69-05

December 1980

Feb	Open		High	Low	Close	
1	75-06		75-14h	74-14	74-20	
4	74-15		74-15	73-25	73-28	
5	74-05		74-05	72-09	73-12	
6	72-15		72-18	70-26	73-06	
7	71-08		73-24	71-06	73-04	73-00
8	74-04		75-00	72-13	73-29	
11	72-20		72-26	71-18	71-25	
12	71-20	71-15	71-20	70-25	70-29	
13	71-06		72-00	71-00	71-25	
14	72-10		72-12	71-09	71-24	
15	71-00		71-02	70-16	70-20	70-21
18	HOLIDAY					
19	69-16	68-20	69-16	68-20	68-20a	
20	67-30	66-27	68-25	66-27	68-05	
21	68-11		68-18	66-20	66-30	
22	66-24		68-29	66-07L	68-18	
25	67-22		68-12	67-05	67-07	
26	66-13		67-08	66-13	67-08b	
27	66-26		68-14	66-26	67-04	67-03
28	68-07		69-02	68-05	69-02b	
29	70-00		70-06	68-30	69-21	69-23

March 1981

Open		High	Low	Close	
75-23		75-25h	74-27	75-00	
74-29		74-29	74-09	74-11	
74-14		74-14	72-23	72-25a	
72-30		72-26	71-12	72-14	
71-19		74-02	71-19	73-22	
74-19		75-00	72-29	73-04	
72-04		73-02	71-25	71-25	
71-16		71-18	71-00	71-04	
71-06		72-06	71-06	72-02	
72-15		72-19	71-15	71-31	
71-15		71-15	70-22	70-31	
68-29		69-01	68-29	68-29a	
67-05	67-04	69-02	67-04	68-15	
68-25		68-25	67-02	67-09	
66-25		69-08	66-19L	68-06	
67-31		68-22	67-15	67-16	67-15
66-26		67-17	66-26	67-17b	
67-08		68-16	67-08	67-15	
68-15	68-16	69-10	68-14	69-10b	
70-12	70-10	70-16	69-10	69-27	

June 1981

Open		High	Low	Close
75-14		75-22h	75-00	75-03b
74-30		74-30	74-14	74-14a
74-16		74-18	72-26	72-26a
72-00		73-00	71-03	72-18
72-09		74-01	72-09	73-26
74-31		74-31	72-27	73-06
73-02		73-02	71-30	71-30a
71-20		71-29	71-05	71-06
71-11		72-13	71-11	72-06
72-14		72-14	71-20	72-01
71-16		71-16	70-25	71-02
69-04	69-00	69-04	69-00	69-00a
67-16		69-03	67-16	68-17
68-15		68-22	67-06	67-10
66-25		69-11	66-20L	68-06
68-08		68-20	67-21	67-21
66-30		67-20	66-28	67-20b
67-30		68-15	67-26	67-26
68-25		69-26	68-17	69-26b
70-05		70-16	69-18	70-10

September 1981

Feb	Open		High	Low	Close	
1	75-13		75-24h	74-27	75-00b	
4	74-20		74-20	74-09	74-09a	
5	74-11		74-14	72-21	72-21a	
6	71-22		72-25	71-13	72-25	
7	72-08		73-26	72-07	73-20	
8	74-24		75-00	72-24	73-00	
11	72-20		72-30	71-26	71-26	
12	71-18		71-18	71-04	71-05	
13	71-10		72-05	71-10	72-05	
14	72-16		72-16	71-18	71-29	
15	70-10		71-01	70-10	70-31	
18	HOLIDAY					
19	68-30		68-30	68-30	68-30a	
20	68-25		68-30	68-11	68-15	
21	68-15		68-18	67-05	67-05	
22	67-00		69-09	66-20L	68-04	
25	68-13		68-18	67-20	67-20	
26	66-23		67-17	66-23	67-17b	
27	67-29		68-14	67-24	67-24	
28	68-18		69-24	68-18	69-24b	
29	69-24		70-14	69-17	70-11	

December 1981

Open		High	Low	Close	
75-12		75-17h	74-21	74-27b	
74-20		74-20	74-01	74-01	
74-09		74-09	72-16	72-16a	
72-00		72-19	71-08	72-19	
72-03		73-25	72-03	73-18	
73-28		74-22	72-20	72-30	
72-10		72-28	71-18	71-18	
71-16		71-16	71-00	71-00	
71-08		72-07	71-07	71-29	
72-17		72-17	71-15	71-29	
71-06		71-06	70-25	70-28	
68-27		69-00	68-27	68-27a	
67-20		69-03	67-20	68-11	
68-16		68-16	67-00	67-05	
66-20		69-06	66-13L	68-05	
68-09		68-16	67-17	67-17	
66-20		67-13	66-20	67-13b	
68-00		68-16	67-20	67-20	
68-20		69-21	68-20	69-21b	
70-20		70-20	69-15	70-04	

March 1982

Open		High	Low	Close
75-07		75-12h	74-18	74-27
74-16		74-16	74-00	74-00
74-05		74-06	72-12	72-12a
71-16		72-12	71-10	72-12
71-31		73-18	71-31	73-17
73-24		74-20	72-22	72-24
72-06		72-25	71-20	71-20
71-09		71-09	70-25	70-25
71-17		72-00	71-16	71-31
72-05		72-14	71-09	71-22
70-20		70-28	70-18	70-28
68-24		68-24	68-24	68-24a
68-26		68-26	68-04	68-07
68-13		68-13	66-28	67-02
66-24		69-03	66-10L	68-10
68-00		68-12	67-13	67-13
66-15		67-09	66-15	67-09b
67-03		68-06	67-03	67-16
68-18		69-18	68-18	69-18b
70-00		70-07	69-13	70-00

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Feb	June 1982 Open	High	Low	Close	September 1982 Open	High	Low	Close
1	75-04	75-09h	74-14	74-19b				74-16n
4	74-00	74-00	73-25	73-25	74-06	74-06h	73-24	73-24a
5	73-25	73-25	72-08	72-08a	72-23	72-23	72-04	72-04a
6	71-12	72-09	71-10	72-09b	71-09	72-06	71-09	72-06
7	71-27	73-14	71-27	73-11	71-23	73-10	71-23	73-10
8	74-15	74-15	72-16	72-20				72-14n
11	72-02	72-21	71-17	71-17a	72-18	72-27	71-14	71-14
12	71-07	71-07	70-25	70-25	71-04	71-04	70-23	70-23
13	71-18	71-28	71-09	71-28b	71-06	71-25	71-06	71-25
14	72-16	72-16	71-10	71-19	72-01	72-01	71-07	71-16
15	70-00	70-23	70-00	70-23b	70-16	70-19	70-16	70-19
18	HOLIDAY							
19	68-21	68-21	68-21	68-21a	68-18	68-18	68-18	68-18a
20	68-10	68-20	68-07	68-09	68-01	68-15	67-29	68-00
21	68-10	68-10	66-27	66-29	68-07	68-07	66-24	66-29
22	66-19	69-00	66-12L	68-22	66-16	68-29	66-09L	68-19a
25	67-22	68-09	67-10	67-10	67-16	68-06	67-07	67-07
26	66-13	67-05	66-13	67-05b	66-25	67-03	66-23	67-01b
27	67-15	68-02	67-12	67-12	67-12	68-02	67-08	67-08
28	68-15	69-15	68-15	69-15b	68-11	69-12	68-11	69-12b
29	70-03	70-03	69-12	69-28	69-30	70-00	69-09	69-25

GNMA Volume Of Sales

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
1	1,219	2,835	1,196	791	522	421	406	317	129	6		7,842
4	1,036	2,553	1,509	603	210	209	185	84	73	28	4	6,494
5	1,171	4,121	1,448	875	410	177	284	539	644	6	5	9,680
6	1,570h	3,935	1,324	1,360	616	529	454	990h	891h	259	13	11,941
7	954	5,178	1,765	1,401h	909h	443	462	244	377	331	50	12,114h
8	1,538	3,990	1,223	675	382	142	418	37	433	167		9,005
11	349	3,101	969	697	387	211	182	168	187	110	26	6,387
12	370	2,153	940	762	474	117	186	172	122	36	9	5,341
13	765	3,414	1,051	771	499	313	292	112	41	22	26	7,306
14	733	3,349	970	788	269	182	124	93	16	31	1L	6,556
15	418	3,785	1,236	987	638	322	298	184	40	71	11	7,990
18	HOLIDAY											
19	273L	988L	331L	253	184	312	93	80	28	18	1	2,561L
20	620	4,747	1,391	1,028	336	348	563	282	382	302	33	10,032
21	638	3,220	1,143	833	577	499	688h	137	270	62	22	8,089
22	526	4,406	1,211	892	425	573h	462	324	578	658h	97h	10,152
25	550	3,568	884	798	488	74	183	102	244	95	49	7,035
26	336	3,496	1,208	518	107	112	85	35L	125	135	11	6,168
27	604	3,934	1,198	452	222	191	219	129	178	216	25	7,368
28	877	2,490	1,073	178L	54L	86	54	60	5L	8	2	4,887
29	433	5,446h	1,966h	363	183	36L	44L	72	11	2L	1	8,557
Total	14,980	70,709	24,036	15,025	7,892	5,297	5,682	4,161	4,774	2,563	386	155,505

GNMA Open Contracts

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
1	4,608h	11,526h	9,380	8,389h	7,067	5,730h	6,031	6,437	4,105L	1,770L	111L	65,154h
4	4,397	11,396	9,632h	8,332	7,138h	5,643	5,948	6,377	4,170	1,772	115	64,920
5	4,163	11,009	9,323	8,348	7,090	5,607	5,793	6,281	4,437	1,772	115	63,938
6	4,090	10,836	9,254	8,219	6,930	5,630	5,956	6,528h	4,544h	1,902	128	64,017
7	3,954	10,971	9,172	8,205	6,958	5,527	5,954	6,440	4,414	2,040	178	63,813
8	3,517	11,014	9,078	8,087	6,789	5,419	6,244h	6,403	4,357	2,118	178	63,204
11	3,464	10,712	8,654	8,001	6,666	5,345	6,096	6,308	4,359	2,122	203	62,020
12	3,355	10,535	8,536	7,899	6,517	5,342	6,029	6,306	4,327	2,137	204	61,187
13	3,179	10,302	8,277	7,765	6,363	5,330	6,007	6,276	4,301	2,155	211	60,166
14	3,205	10,344	8,171	7,763	6,356	5,354	5,974	6,286	4,292	2,157	211	60,113
15	3,113	10,444	8,169	7,651	6,170	5,404	5,784	6,236	4,320	2,210	211	59,712
18	HOLIDAY											
19	3,116	10,339	8,116	7,604	6,146	5,400	5,856	6,188	4,334	2,226	210	59,535
20	3,160	10,120	7,897	7,465	6,094	5,380	5,911	6,335	4,236	2,212	221	59,031
21	3,086	10,094	7,656	7,294	5,766	5,443	5,782	6,129	4,416	2,185	222	58,073
22	2,925	10,455	7,714	7,218	5,859	5,103	5,681	6,160	4,245	2,333	301	57,994
25	2,673	9,939	7,531	7,157	5,765	5,015	5,665	6,110	4,271	2,340	301	56,767
26	2,418	10,131	7,517	6,951	5,662	5,043	5,670	6,113	4,384	2,386	301	56,576
27	2,095	10,046	7,466	6,908	5,564	4,987	5,621L	6,054L	4,439	2,425	302	55,907
28	1,587	10,178	7,580	6,903	5,560	4,986	5,652	6,067	4,430	2,427h	303h	55,673
29	1,390L	9,849L	7,285L	6,836L	5,551L	4,961L	5,657	6,061	4,429	2,426	303	54,748L

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

March 1980

Mar	Open	High	Low	Close
3	68-28	68-28	68-10	68-16
4	69-00	69-02	68-05	68-29
5	68-12	68-16	68-04	68-10
6	68-06	68-06	66-24	66-24
7	66-24	67-19	66-10L	67-10
10	67-19	69-00	67-18	69-00
11	69-15	70-00	69-06	69-16
12	68-26	68-26	68-10	68-10
13	68-00	68-12	68-00	68-10
14	68-27	69-00	68-22	68-22
17	68-00	69-04	68-00	69-04b
18	69-12	70-10h	69-10	70-10
19	68-23	69-16	68-23	69-06
20	69-24	69-24	69-00	69-00
21				
24				
25				
26				
27				
28				
31				

June 1980

Open		High	Low	Close	
69-00	68-31	69-00	68-00	68-09	68-10
68-10	67-30	68-21	67-20	68-17	68-20
68-00	68-04	68-12	67-28	68-02	68-04
68-02	68-00	68-03	66-05	66-24	66-29
66-20	66-10	67-19	65-18L	67-00	67-05
67-07	67-11	69-03	67-01	69-02	69-00
69-12	69-18	70-02	68-27	69-12	69-15
68-28	69-00	69-00	68-04	68-09	68-10
67-25	67-28	68-30	67-18	68-25	68-24
68-24	68-30	69-01	68-12	68-15	68-12
68-00	67-20	69-10	67-13	69-02	68-30
69-10	69-14	70-10h	68-14	68-23	68-14
68-15	68-20	69-15	68-15	68-28	68-27
69-08	69-20	69-20	67-25	68-03	68-04
67-20	67-31	68-06	67-15	68-02	67-30
67-04	66-24	67-05	66-00	66-01	66-02
66-00	65-28	66-27	65-25	66-09	66-05
66-20	66-22	68-01	66-19	67-02	67-04
66-25	66-22	67-20	66-14	67-05	67-06
68-02	68-12	69-04	67-25	68-19	68-21
68-18	68-19	68-26	67-28	68-14	

September 1980

Open		High	Low	Close	
69-05		69-05	68-06	68-15	68-17
68-10	68-08	68-27	67-26	68-23	68-24
68-08	68-10	68-15	68-03	68-09	68-07
68-05	68-04	68-08	66-19	67-04	67-07
66-18	66-11	67-30	66-00L	67-17	
67-20		69-17	67-18	69-15	
69-28	69-31	70-18	69-14	69-31	70-00
69-16	69-12	69-16	68-18	68-26	68-24
68-10		69-13	68-03	69-08	
69-16	69-19	69-19	68-29	69-00	69-02
68-14	68-03	69-20	68-03	69-14	
69-28		70-22h	68-24	68-30	68-24
68-25		69-21	68-25	69-06	69-05
69-30		69-30	68-05	68-12	68-15
68-07		68-16	67-26	68-11	
67-16	67-11	67-16	66-11	66-11	66-12
66-08	66-12	67-03	66-05	66-15	66-13
66-30	67-00	68-05	66-29	67-10	
67-01	67-00	67-24	66-24	67-07	67-10
68-19		69-07	67-25	68-19	68-20
68-14		68-25	67-30	68-17	68-18

December 1980

Mar	Open		High	Low	Close	
3	69-10		69-11	68-19	68-26	
4	68-26		69-07	68-08	69-04b	
5	68-19		68-28	68-17	68-20	
6	68-19		68-19	67-04	67-13	67-15
7	67-00		68-20	66-22L	68-04	
10	68-12		70-07	68-12	70-02b	
11	70-20		71-10	70-03	70-21	
12	70-08		70-08	69-10	69-15	
13	69-00		70-03	68-26	70-01	
14	70-12		70-12	69-26	69-27	
17	69-00		70-20	69-00	70-14	
18	70-31		71-25h	69-25	69-25	
19	69-27	69-26	70-21	69-23	70-05	
20	70-25		70-25	69-05	69-12	
21	69-05		69-16	68-23	69-08	
24	68-00	68-05	68-08	67-10	67-11	
25	67-10	67-09	67-31	67-05	67-11	
26	67-24	67-29	68-31	67-24	68-10	
27	68-00		68-22	67-22	68-00	
28	68-25	69-00	69-28	68-21	69-04b	
31	69-06	68-25	69-16	68-22	69-13	

March 1981

Open		High	Low	Close	
69-23		69-23	69-00	69-07	
68-31		69-21	68-19	69-16	
69-01		69-08	69-00	69-07	
69-07		69-07	67-28	68-12	
67-25		69-09	67-25L	68-25	
69-05		70-28	69-05	70-25	
71-08		71-28	70-25	71-07	
70-30		70-30	70-00	70-04	
69-19		70-22	69-12	70-22	
71-02		71-02	70-18	70-18a	
70-08	70-10	71-16	70-01	71-16	
71-28		72-09h	70-28	70-28	
70-22		71-14	70-22	71-00	71-02
71-17		71-17	70-03	70-03	
69-28	69-26	70-11	69-18	70-05	
68-20		68-30	68-06	68-06	
68-05		68-27	68-05	68-10	
68-24		69-17	68-24	69-04	
68-16		69-12	68-16	68-26	
69-20		70-14	69-11	69-20	
69-18		70-00	69-10	70-00	69-30

June 1981

Open	High	Low	Close
69-23	69-24	69-08	69-15
69-00	69-30	69-00	69-25
69-15	69-19	69-14	69-17
69-09	69-15	69-00	69-02
68-24	69-29	68-18L	69-20
70-14	71-15	70-07	71-15
71-27	72-15	71-12	72-02b
71-07	71-07	70-23	70-23a
70-06	71-12	70-06	71-12
71-11	71-13	71-05	71-05a
70-27	72-02	70-23	72-02b
72-20	72-22h	71-10	71-10a
71-09	72-01	71-09	71-21
72-04	72-04	70-25	70-30
70-14	70-30	70-14	70-20
69-00	69-28	68-27	68-27
69-04	69-16	69-00	69-00
69-14	70-06	69-14	69-23
69-06	70-05	69-05	69-14
70-06	70-28	70-00	70-00a
69-25	70-17	69-25	70-17b

September 1981

Mar	Open	High	Low	Close
3	69-09	69-20	69-07	69-11
4	68-31	70-01	68-31	69-26
5	69-13	69-24	69-13	69-23
6	69-18	69-28	69-09	69-28
7	68-21	70-05	68-21L	70-03
10	70-08	71-27	70-08	71-22b
11	72-04	72-16	71-30	72-10b
12	71-15	71-15	70-23	70-23
13	70-12	71-16	70-12	71-16
14	71-19	71-22	71-13	71-13
17	71-00	72-10	70-29	72-10b
18	72-28	72-30h	71-20	71-20
19	71-29	72-06	71-27	71-27a
20	72-07	72-10	71-05	71-10
21	70-28	71-10	70-28	71-07
24	70-09	70-09	69-08	69-08
25	69-10	69-28	69-06	69-18
26	69-30	70-20	69-28	70-06
27	69-22	70-17	69-22	69-25
28	70-03	71-10	70-03	70-10
31	70-09	70-26	70-09	70-26b

December 1981

Open		High	Low	Close	
69-06		69-16	69-03	69-07	
69-08		69-28	68-28L	69-23	
69-12		69-24	69-12	69-24	
69-25		70-02	69-24	70-00	70-02
69-20		70-11	69-15	70-11a	
70-29		71-27	70-29	71-27b	
72-11		72-18	72-00	72-14a	
71-25		71-25	71-00	71-00a	
70-10		71-22	70-10	71-22b	
71-18		71-30	71-18	71-22	
71-05		72-16	71-04	72-16b	
72-22		73-00h	71-26	71-26a	
71-27		72-11	71-26	72-01	
72-19		72-20	70-30	71-16	
70-22		71-14	70-22	71-09	
70-14		70-14	69-13	69-13a	
69-09		70-00	69-08	69-22	
70-02		70-25	70-02	70-11	
69-26		70-20	69-26	70-00	
70-31		70-31	70-10	70-10a	
70-27		70-30	70-13	70-30b	

March 1982

Open	High	Low	Close	
69-03	69-18	69-03	69-04	
69-00	69-25	69-00L	69-21	
69-10	69-24	69-10	69-24	
69-22	70-11	69-18	70-00	
69-16	70-14	69-16	70-14a	
70-20	72-01	70-17	72-01b	
72-15	72-22	72-01	72-20b	
72-03	72-03	71-06	71-06a	
71-02	71-27	71-02	71-27	
71-24	72-01	71-24	71-28	
71-17	72-22	71-10	72-22	
72-26	73-18h	71-31	72-05	71-31
72-11	72-17	72-08	72-08a	
71-24	71-24	71-11	71-18b	
71-12	71-19	71-10	71-10	
70-06	70-06	69-18	69-18a	
69-13	70-04	69-13	69-27	
70-16	70-28	70-14	70-14	
69-27	71-01	69-27	70-05	
71-01	71-03	70-06	70-06a	
70-20	71-00	70-15	71-00b	

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Mar	June 1982 Open	High	Low	Close		September 1982 Open	High	Low	Close
3	69-00	69-09	69-00L	69-01		68-31	69-05	68-30L	68-30
4	69-03	69-18	69-03	69-18		69-05	69-15	69-05	69-15
5	69-11	69-24	69-11	69-24		69-19	69-24	69-18	69-24
6	69-23	69-21	70-08	69-20	70-08	69-26	70-11	69-26	70-11
7	69-15	70-16	69-15	70-16a		69-26	70-18	69-26	70-18
10	71-13	72-05	71-13	72-05b		70-27	72-10	70-27	72-10b
11	72-13	72-25	72-12	72-25b					72-27n
12	71-18	71-28	71-09	71-09a		71-21	71-24	71-11	71-11a
13	71-01	71-31	71-01	71-31		71-15	72-02	71-10	72-02
14	72-02	72-04	71-28	72-04		71-30	72-07	71-29	72-03
17	71-15	72-25	71-15	72-25a		71-16	72-28	71-16	72-28b
18	73-00	73-07h	72-03	72-03a		73-06	73-13h	72-06	72-06a
19	72-06	72-18	72-06	72-10		72-18	72-20	72-12	72-12a
20	71-14	71-19	71-14	71-19b		72-16	72-16	71-21	71-21a
21	71-15	71-20	71-14	71-14a		71-06	71-22	71-06	71-12
24	69-20	69-20	69-20	69-20	69-20a				69-22a
25	69-29	70-04	69-27	70-00		70-04	70-04	70-04	70-04
26	70-25	70-30	70-19	70-19a		70-22	70-31	70-20	70-20
27	69-30	70-28	69-30	70-07		70-00	70-30	70-00	70-09
28	70-00	70-28	70-00	70-02		70-28	70-28	70-02	70-02a
31	70-18	70-30	70-13	70-30b		70-15	70-28	70-11	70-28b

GNMA Volume of Sales

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
3	403h	2,674	1,138	823	912h	436	541	1,233h	324	432h	19	8,935
4	200	3,583	1,268	957	488	367	541	550	85	275	10	8,324
5	92	1,908L	537L	386L	308	208	360	521	453	215	34	5,022
6	194	3,681	1,374	1,176	461	246	53	401	171	244	26	8,027
7	99	3,434	1,184	568	346	267	511	158	294	181	101h	7,143
10	119	3,203	1,068	701	608	522	355	124	147	32	1L	6,880
11	110	4,367	1,187	481	247	258	267	140	180	103		7,340
12	4	3,455	811	489	477	872h	556h	610	680h	321	31	8,306
13	58	3,616	1,402	442	453	163	305	577	613	316	3	7,948
14	7	1,987	929	483	303	183	286	383	201	89	10	4,861L
17	12	3,536	2,111	758	687	154	310	560	319	106	23	8,576
18	20	5,273h	2,285h	705	341	276	178	201	46	19	25	9,369h
19	7	2,921	1,321	654	415	183	238	243	133	46	32	6,193
20	2L	4,284	1,296	658	436	162	213	299	218	27	10	7,605
21		2,970	1,006	697	370	257	314	153	21L	10L	57	5,855
24		3,748	1,438	1,326h	343	285	429	282	68	35		7,954
25		4,189	1,342	864	303	132	181	164	47	67	11	7,300
26		4,027	1,835	1,151	597	346	549	367	220	87	26	9,205
27		4,259	1,426	934	163L	86L	36L	25L	73	62	11	7,075
28		3,953	1,871	1,003	367	133	196	289	326	147	46	8,331
31		2,798	1,227	565	501	131	179	243	220	128	41	6,033
Total	1,327	73,866	28,056	15,821	9,126	5,667	6,598	7,523	4,839	2,942	517	156,282

GNMA Open Contracts

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
3	850h	9,722	7,319	6,589	5,372	5,090h	5,775h	6,062h	4,262h	2,153h	314L	53,508h
4	733	9,518	7,242	6,705h	5,213	4,746	5,538	5,878	4,260	1,909	314	52,056
5	709	9,673	7,095	6,627	5,126	4,630	5,562	5,741	4,004	1,821	324	51,311
6	717	9,918h	7,015	6,334	4,941	4,586	5,554	5,664	3,894	1,632	346	50,601
7	640	9,579	6,782	6,293	4,965	4,562	5,472	5,567	3,890	1,640	326	49,716
10	614	9,449	6,777L	6,121	4,903	4,648	5,622	5,598	3,849	1,653	326	49,560
11	553	9,005	6,842	6,056	4,985	4,710	5,672	5,555	3,996	1,659	326	49,359
12	552	8,921	6,855	6,010	5,067	4,363	5,374	5,272	3,793	1,574	354	48,145
13	511	8,861	7,173	5,891	4,917	4,343	5,274	4,888	3,333	1,422	354	46,967
14	508	8,646	7,327	5,885	4,899L	4,278	5,105	4,543	3,142	1,410	354	46,097
17	456	8,869	7,622	5,969	5,063	4,296	5,082	4,564	3,141	1,353	343	46,758
18	431	9,053	7,867	6,106	5,222	4,212	5,054	4,555	3,147	1,336L	352	47,335
19	402	8,818	7,741	6,153	5,408	4,208	5,028	4,527	3,166	1,347	342	47,140
20	370	8,441	7,779	6,104	5,404	4,178	5,044	4,474	3,017	1,354	342	46,507
21	370	8,500	7,850	6,028	5,402	4,129	4,968	4,486	3,000	1,357	386	46,476
24	370	8,638	8,299	5,920	5,225	4,042	4,998	4,443	3,044	1,382	386	46,747
25	21	8,383L	8,502	5,819L	5,251	4,062	4,958	4,423	3,006	1,393	396	46,214
26	5L	8,701	8,765	5,866	5,474	4,077	4,818	4,308	2,873	1,371	416h	46,674
27		8,823	8,908	6,005	5,487h	4,042	4,834	4,321	2,884	1,368	406	47,078
28		8,921	9,000h	5,930	5,459	4,000	4,799	4,226	2,801	1,466	406	47,008
31		8,777	8,900	5,827	5,247	3,995L	4,749L	4,158L	2,680L	1,373	376	46,082L

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices
Open, High, Low and Close
Points and 32nds of Par

June 1980

Apr	Open		High	Low	Close	
1	68-25	68-28	68-31	68-00	68-26	68-27
2	69-06	69-00	69-06	67-15L	67-20	67-18
3	67-24	68-00	68-17	67-18	68-14	68-04
4	HOLIDAY					
7	68-22	69-01	70-09	68-22	69-21	69-16
8	69-05	69-00	69-30	68-25	69-21	69-23
9	70-07	70-03	70-23	69-22	69-26	69-27
10	69-18	69-22	71-02	69-18	71-02	70-30
11	72-21	72-06	72-21	71-07	72-00	71-30
14	72-06	72-02	72-19	71-13	71-21	71-17
15	71-20	71-18	72-14	71-13	72-03	72-04
16	72-05	72-07	74-05	72-05	74-05b	
17	75-00	75-05	75-05	73-21	74-00	73-30
18	73-25	73-22	73-28	72-14	73-19	73-15
21	74-22	75-00	75-00	73-03	73-16	73-03
22	73-01	73-05	74-20	72-21	74-02	74-00
23	73-30	74-00	74-20	73-19	73-28	73-27
24	73-25	73-15	74-00	73-08	73-17	73-15
25	72-01	71-16	73-24	71-16	73-24	73-23
28	74-04	74-10	75-23	74-04	75-23b	
29	75-15	75-20	76-07	75-13	75-22	75-20
30	75-16	75-18	76-08h	75-16	75-30	

September 1980

Open		High	Low	Close	
69-00		69-05	68-08	68-31	69-05
69-09	69-12	69-12	67-15L	67-18	
67-26	67-27	68-26	67-18	68-20	68-15
69-00	69-03	70-17	69-00	70-03	69-28
69-12	69-09	70-11	69-08	70-02	70-03
70-20	70-22	70-28	69-31	70-07	70-08
70-03	70-02	71-19	69-28	71-14	71-10
72-25	72-20	72-25	71-26	72-20	72-18
73-00	72-30	73-02	72-00	72-04	72-02
72-04		73-02	72-04	72-26	72-27
72-26	72-29	74-27	72-26	74-27b	
76-06	75-26	76-06	74-10	74-21	74-22
74-15		74-20	73-04	74-11	74-09
76-00	75-30	76-00	74-00	74-12	74-00
74-00	73-28	75-10	73-08	74-22	74-20
74-18	74-21	75-07	74-08	74-19	74-20
74-11	74-08	74-19	73-25	74-02	74-03
72-16	72-05	74-02	72-05	74-01	74-02
74-17	74-25	76-02	74-17	76-02b	
75-31	75-26	76-18h	75-23	75-31	76-00
75-31	76-00	76-15	75-24	76-09	76-12

December 1980

Open		High	Low	Close	
70-00		70-04	69-02	69-30	70-04
70-05	70-07	70-07	68-09L	68-09	68-10
68-15		69-30	68-13	69-10	69-30
70-00	70-04	71-10	70-00	70-22	70-21
70-05	70-06	71-03	70-03	70-26	
71-10	71-08	71-16	70-23	70-27	70-25
70-25		72-11	70-19	72-03	
73-10	73-04	73-13	72-18	73-12	
73-20	73-25	73-26	72-25	72-30	72-29
72-28	72-30	73-25	72-28	73-16	
73-20	73-24	75-18	73-20	75-18b	
76-18	76-21	76-21	75-01	75-10	75-11
75-03	75-00	75-12	73-27	75-03	75-02
76-15	76-21	76-21	75-00	75-00	75-01
74-15	74-14	75-27	73-30	75-10	
75-12		75-26	74-31	75-08	75-07
74-30	74-24	75-03	74-11	74-18	
73-00	72-24	74-20	72-24	74-18	74-20
75-12	75-08	76-18	75-08	76-18	76-18b
76-12	76-10	76-28h	76-05	76-07	76-09
76-08	76-09	76-21	76-02	76-18	

March 1981

Apr	Open		High	Low	Close	
1	70-20	70-18	70-20	69-26	70-14	
2	70-04		70-23	68-28L	68-30	
3	69-07		70-05	69-07	70-01	
4	HOLIDAY					
7	70-16	70-28	71-29	70-16	71-01	
8	70-27		71-19	70-23	71-11	
9	71-22		72-00	71-06	71-14	
10	71-15		72-30	71-01	72-19	
11	73-25		73-31	73-03	73-30	
14	73-26		74-11	73-06	73-16	
15	73-13		74-05	73-13	74-00	
16	74-06		76-02	74-06	76-02b	
17	77-13	77-03	77-13h	75-15	75-27	
18	75-23		75-27	74-11	75-16	
21	77-00		77-00	75-10	75-17	75-10
22	74-30	74-22	76-07	74-07	75-21	
23	75-30		76-05	75-10	75-15	
24	75-02		75-10	74-18	74-24	
25	73-00	73-03	74-30	73-00	74-30	
28	75-18		76-26	75-17	76-26b	
29	76-15		76-25	76-07	76-10	
30	76-08		76-23	76-04	76-19	

June 1981

Open	High	Low	Close	
70-30	70-30	70-13	70-28	
70-21	71-06	69-02L	69-05	69-02
69-27	70-18	69-22	70-18b	
71-13	72-13	71-11	71-11	
70-30	71-26	70-30	71-19	
72-03	72-11	71-22	71-22	
71-20	73-04	71-19	73-04	
73-26	74-10	73-20	74-10	
74-04	74-18	73-10	73-26	
73-29	74-09	73-29	74-08	
74-13	76-10	74-13	76-10b	
76-20	77-00h	75-29	76-04	
75-28	75-28	74-16	75-21	
76-08	76-13	75-25	75-25a	
74-25	76-02	74-10	75-29	
76-00	76-04	75-13	75-13a	
74-24	75-07	74-20	74-28	
73-01	74-29	73-01	74-29	
75-23	76-27	75-19	76-27b	
76-17	76-27	76-09	76-12	
76-15	76-15	76-00	76-12	

September 1981

Open	High	Low	Close
71-11	71-11	70-28	71-03
71-05	71-14	69-20L	69-20
70-03	70-25	70-03	70-20
71-14	72-23	71-14	71-25
71-04	71-31	71-04	71-27
72-15	72-15	71-29	71-29
71-26	75-08	71-26	73-05
74-03	74-17	73-20	74-17
74-05	74-16	73-25	73-28
74-04	74-11	73-30	74-11
74-13	76-12	74-13	76-12b
76-26	77-00h	76-00	76-00
75-11	75-24	74-27	75-20
76-10	76-14	75-22	75-22a
74-22	76-01	74-21	76-01
76-00	76-03	75-10	75-15
74-25	75-00	74-24	74-24
73-26	74-20	73-26	74-20b
76-00	76-26	76-00	76-26a
76-18	76-18	76-06	76-10
76-06	76-06	75-30	76-05

December 1981

Apr	Open		High	Low	Close	
1	71-16		71-18	70-28	71-06	
2	71-01		71-19	69-20L	69-20a	
3	70-06		70-31	70-06	70-31	
4	HOLIDAY					
7	71-17		72-26	71-17	71-25	
8	71-06		72-03	71-06	71-20	71-19
9	72-10		72-14	72-00	72-00	
10	71-26		73-02	71-22	73-00	
11	74-03		74-15	73-25	74-15b	
14	74-15		74-16	73-25	73-25	
15	74-00		74-10	74-00	74-10	
16	74-18		76-10	74-18	76-10b	
17	76-20		76-20	75-28	76-10	
18	75-20		75-20	74-20	75-15	
21	76-10		76-10	75-27	75-27a	
22	74-30		75-28	74-20	75-28b	
23	75-19		75-25	75-11	75-25	
24	75-00		75-00	74-18	74-19	
25	73-00		74-17	72-29	74-17b	
28	76-05		76-21h	75-24	76-21a	
29	76-05		76-11	76-00	76-04	
30	75-28		75-29	75-23	75-29b	

March 1982

Open	High	Low	Close
71-12	71-16	70-28	71-08
71-01	71-15	69-18L	69-18
70-06	70-26	70-06	70-26
71-18	72-25	71-18	71-25
71-08	72-00	71-08	71-22a
72-06	72-08	71-29	71-29a
71-22	72-30	71-22	72-28
73-29	74-10	73-24	74-10b
73-30	74-09	73-15	73-15
73-25	74-05	73-25	74-05
74-18	76-05	74-18	76-05b
77-11	77-11h	75-26	76-06
75-00	75-15	74-18	75-10
76-04	76-04	75-23	75-24
74-13	75-22	74-12	75-22b
75-11	75-19	75-04	75-19
74-21	74-22	74-14	74-14
72-30	74-16	72-29	74-16
75-26	76-16	75-18	76-16a
75-31	77-05	75-21	75-30
75-21	75-23	75-10	75-21

June 1982

Open	High	Low	Close
71-11	71-12	71-00	71-04
70-31	71-12	69-19L	69-19a
70-05	70-23	70-04	70-23
71-14	72-22	71-14	71-22
71-00	71-23	71-00	71-18a
72-02	72-02	71-22	71-22
71-21	72-25	71-18	72-22a
73-20	74-05	73-15	74-05b
74-04	74-05	73-10	73-10
73-17	74-02	73-16	74-00
74-03	76-00	74-03	76-00b
76-05	76-08	75-20	75-31
75-21	75-21	74-13	75-05
75-25	75-26	75-10	75-10
74-15	75-16	74-08	75-16b
75-08	75-15	75-08	75-15
74-16	74-17	74-10	74-10a
73-25	74-11	73-25	74-11b
75-19	76-11h	75-13	76-11a
75-25	76-00	75-11	75-11
75-13	75-16	75-08	75-16b

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Apr	September 1982 Open	High	Low	Close	December 1982 Open	High	Low	Close
1	71-11	71-11	71-01	71-03				
2	70-30	71-10	69-17L	69-17a				
3	70-02	70-20	70-02	70-20				
4	HOLIDAY							
7	71-10	72-19	71-10	71-19				
8	70-27	71-20	70-27	71-14				
9	71-29	71-30	71-17	71-17a				
10	71-17	72-20	71-17	72-17				
11	73-20	73-29	73-15	73-29b				
14	73-25	74-00	73-12	73-12				
15	73-24	73-27	73-16	73-27	73-18	73-18	73-18L	73-18
16	74-03	75-27	74-03	75-27b	74-10	75-22	74-10	75-22b
17	77-02	77-02h	75-17	75-25	76-00	76-00h	75-12	75-12
18	74-24	75-00	74-10	75-00b	74-12	74-27	74-05	74-27
21	75-20	75-20	75-04	75-04	75-15	75-15	75-08	75-08a
22	74-06	75-11	73-31	75-11b	74-01	75-05	73-30	75-05b
23	75-05	75-10	75-00	75-00a				75-05n
24	74-18	74-18	74-05	74-05	74-06	74-06	74-00	74-00a
25	73-16	74-06	73-16	74-06b				74-01n
28	74-30	75-29	74-30	76-06a				75-20n
29	75-15	76-27	75-15	75-19				75-14n
30	75-08	75-10	75-02	75-10	75-02	75-02	74-29	74-31

GNMA Volume of Sales

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
1	2,610	1,299L	543L	242	131	207	600h	69	448	30		6,179L
2	3,888	1,927	590	379	260	52	41	304	306	41		7,788
3	3,541	1,714	689	308	118L	51	94	86	25	34		6,660
4	HOLIDAY											
7	4,221	3,102	1,508	456	160	84	123	34	39	1L		9,728
8	3,542	2,801	1,494	828	289	160	169	144	99	63		9,389
9	4,400	2,389	988	506	529	412	128	169	52	8		9,581
10	4,566h	2,358	1,609	569	278	243	97	162	63	1		9,946
11	3,419	3,101	1,342	857	259	163	228	233	128	91		9,821
14	3,402	3,239	733	670	574	213	129	109	66	16		9,151
15	4,389	2,503	1,013	364	177	109	248	216	51	6	1L	9,077
16	2,045L	1,507	765	581	507	245	397	785h	424	130	3	7,389
17	4,025	3,353h	1,673h	1,240	756	243	420	604	471h	52	24	12,861h
18	4,280	2,674	1,184	1,011	197	508h	193	358	49	21	6	10,481
21	4,089	2,710	995	751	491	237	55	72	219	72	20	9,711
22	4,463	3,143	1,296	1,688h	1,031h	115	124	232	296	45	32h	12,465
23	3,338	2,423	1,100	538	499	136	23L	90	112	32		8,291
24	2,688	2,108	954	238L	189	136	97	54	37	32	21	6,554
25	4,202	2,622	1,250	562	343	202	303	21L	143	25		9,673
28	3,432	2,294	1,303	601	360	42L	58	56	9L	24		8,179
29	3,361	2,757	1,449	468	378	329	145	82	11	9		8,989
30	2,258	2,808	1,311	846	265	61	65	163	114	257h	10	8,15E
Total	76,159	52,832	23,789	13,703	7,791	3,948	3,737	4,043	3,162	990	117	190,271

GNMA Open Contracts

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
1	8,716	9,032L	5,735L	5,237	3,971	4,546	4,149	2,636L	1,740	385		46,147L
2	8,889	9,385	5,918	5,222L	3,950L	4,506	4,151	2,819	1,843	401		47,084
3	9,109	9,621	6,045	5,237	3,990	4,493	4,160	2,820	1,848	402		47,725
4	HOLIDAY											
7	9,268	10,043	6,087	5,301	4,025	4,492L	4,176	2,813	1,832	403		48,440
8	9,643	10,623	6,371	5,522	4,024	4,503	4,167	2,825	1,810	404		49,892
9	9,991	10,693	6,367	5,609	3,992	4,632	4,172	2,820	1,778	406		50,460
10	10,633h	11,090	6,448	5,551	4,016	4,747	4,165	2,833	1,824	406		51,713
11	10,531	11,152h	6,700	5,618	3,985	4,756	4,088L	2,755	1,779	372		51,736
14	10,496	10,881	6,818	5,679	4,187	4,737	4,101	2,800	1,787	366L		51,852
15	9,894	10,837	6,734	5,784	4,189	4,735	4,101	2,811	1,774	368	1L	51,228
16	9,939	10,752	6,723	5,876	4,352	4,949	4,346	3,118	1,892h	439	2	52,388
17	9,929	10,757	7,038	6,250	4,666	4,984	4,628	3,508	1,677	440	24	53,901
18	9,799	10,914	7,028	6,411	4,542	5,366	4,711	3,671h	1,664	452	23	54,581
21	9,522	10,980	7,095	6,490	4,673	5,445h	4,673	3,600	1,661L	469	38	54,646
22	9,459	10,789	7,170	6,952	5,347	5,415	4,629	3,450	1,732	492	66	55,501
23	9,598	10,845	7,222	7,006	5,475	5,340	4,630	3,508	1,713	477	66	55,880h
24	9,374	10,881	7,283	7,067h	5,464	5,359	4,637	3,509	1,739	475	76	55,864
25	9,099	10,474	7,104	6,956	5,504	5,326	4,598	3,494	1,761	470	76	54,862
28	8,737	10,344	7,247	6,943	5,516	5,342	4,635	3,513	1,765	483	76	54,601
29	3,275	10,410	7,289	6,939	5,577h	5,443	4,659	3,546	1,754	488	76	54,456
30	8,199L	10,788	7,649h	6,954	5,569	5,443	4,713h	3,533	1,863	665h	86h	55,462

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

June 1980

May	Open		High	Low	Close	
1	76-16	76-26	78-00	76-16L	77-17	77-15
2	77-28	78-02	79-10	77-20	79-07	79-10
5	79-25	79-17	81-09	79-17	79-28	79-30
6	80-10	80-03	81-12	79-28	80-24	80-23
7	82-02	81-25	82-05h	80-12	80-12	80-15
8	80-07	80-1[illegible]	81-04	79-22	80-02	
9	79-26	79-17	80-08	78-02	79-12	79-13
12	80-04	80-10	80-10	78-30	79-00	
13	78-20	78-16	79-18	78-03	79-12	79-14
14	79-28	79-24	80-14	79-18	80-10	80-14
15	80-04	80-00	80-15	78-13	78-13	78-13a
16	78-25	78-19	79-08	77-20	77-30	78-00
19	77-10	77-00	77-10	76-19	76-24	76-23
20	76-29		78-22	76-29	78-17	78-18
21	78-26	78-31	79-19	78-26	79-02	79-00
22	78-20	78-15	79-13	78-15	78-24	
23	80-00	80-05	80-24	79-28	80-23	80-24
26	HOLIDAY					
27	81-03	80-29	81-04	79-31	80-00	
28	79-15	79-12	79-26	79-10	79-10	
29	79-18		79-21	77-16	77-30	78-00
30	78-14		78-22	77-21	77-31	

September 1980

Open		High	Low	Close	
77-07	77-10	78-11	76-31	77-26	77-22
78-08		79-19	78-01	79-18	79-17
79-24	80-00	81-17	79-24	80-11	
80-16	80-18	81-19	80-08	80-29	80-28
81-30	82-15	82-15h	80-13	80-13	80-14
80-14	80-16	81-04	79-20	79-28	79-30
79-15	79-10	80-10	78-01	79-14	79-11
80-04	80-06	80-06	78-29	79-00	78-31
78-15	78-06	79-17	78-01	79-12	79-09
79-28	79-20	80-16	79-18	80-12	80-16
80-08	80-03	80-14	78-14	78-14a	
78-21	78-22	79-07	77-19	77-31	78-00
77-04	77-00	77-09	76-20L	76-20	76-22
76-27	76-29	78-21	76-21	78-17	
78-27	79-00	79-18	78-26	79-00	78-29
78-16	78-15	79-10	78-14	78-23	78-21
80-00	80-05	80-22	79-27	80-22b	
81-01	81-02	81-08	79-28	80-00	79-31
79-22	79-19	79-30	79-10	79-14	79-16
79-21	79-23	79-24	77-15	78-01	78-02
78-22	78-18	78-24	77-21	78-00	77-31

December 1980

Open		High	Low	Close	
77-14	77-19	78-19	77-07	78-02	
78-15		79-23	78-11	79-23b	
80-05	80-07	81-24	80-05	80-19	80-18
80-23		81-26	80-14	81-04	81-05
82-08	82-10	82-15h	80-11	80-13	80-11
80-15		81-00	79-20	79-28	79-26
79-17	79-14	80-01	78-01	79-12	79-13
80-05	80-06	80-06	78-28	78-30	
78-07		79-15	78-03	79-06	
79-24	79-25	80-11	79-15	80-11	
80-01	80-00	80-08	78-11	78-11	78-11a
78-20	78-17	79-05	77-15	78-00	78-02
77-00	77-03	77-05	76-16L	76-18	
76-27		78-18	76-25	78-11	78-13
78-25	78-28	79-12	78-22	78-23	78-25
78-10		79-03	78-09	78-12	78-13
79-25	79-18	80-14	79-16	80-14a	
80-20	80-24	80-29	79-13	79-18	79-13
79-11	79-14	79-21	79-04	79-07	79-06
79-15	79-16	79-17	77-10	78-00	
78-15		78-20	77-15	77-26	77-27

March 1981

May	Open		High	Low	Close	
1	77-13	77-19	78-20	77-08	78-01	
2	78-17		79-23	78-12	79-21	79-23
5	80-21		81-23	80-08	80-19	
6	80-26	80-27	81-25	80-15	81-05	
7	82-10	82-15	82-15h	80-06	80-07	80-06
8	80-13		80-27	79-15	79-23	
9	79-07	79-09	79-25	77-27	79-03	
12	80-03	80-02	80-03	78-23	78-25	
13	78-07	78-04	79-08	77-31	79-03	79-00
14	79-18		80-05	79-11	80-00	80-05
15	79-28		79-30	78-05	78-05a	
16	78-17		78-29	77-12	77-26	
19	76-29	76-26	77-01	76-10L	76-11	
20	76-20	76-21	78-10	76-20	78-06	
21	78-22		79-04	78-16	78-16	
22	78-03		78-23	78-03	78-04	
23	79-15		80-05	79-09	80-05	
26	HOLIDAY					
27	80-15		80-18	79-02	79-02	
28	78-22		79-09	78-22	78-3[illegible]	78-29
29	79-09		79-10	77-00	77-16	
30	78-08		78-09	77-10	77-22	

June 1981

Open		High	Low	Close	
77-14		78-16	77-04	77-29	
78-14		79-15	78-10	79-15b	
80-03		81-18	80-03	80-14	
80-24		81-18	80-14	80-31	
82-11	82-12	82-12h	79-31	79-31	80-01
80-08		80-22	79-09	79-18	
79-10		79-21	77-25	78-28	
80-03		80-03	78-19	78-19	
78-00		78-30	78-00	78-30b	
79-12		79-28	79-07	79-28	
79-25		79-25	77-31	77-31a	
78-12		78-19	77-07	77-18	77-20
76-27		76-27	76-07L	76-07a	
76-21		78-02	76-20	77-31	
78-15		78-24	78-09	78-09a	
78-00		78-14	77-25	77-25	
79-20		79-28	78-27	79-26	
80-03		80-09	78-25	78-25a	
78-23		78-31	78-15	78-21a	
78-24		78-30	77-00	77-16	
77-26		78-00	77-05	77-14	

September 1981

Open		High	Low	Close	
77-02		78-10	77-02	77-22	
78-05		79-07	78-05	79-07	
80-08		81-08	80-05	80-08	
80-17		81-09	80-08	80-24	
82-00		82-00h	79-26	79-26a	
80-00		80-09	79-04	79-04	
78-12		79-03	78-00	78-28a	
79-08		79-09	78-13	78-13a	
77-20		78-23	77-20	78-23	
79-08		79-18	78-27	79-18b	
79-10		79-18	77-24	77-24a	
78-07		78-12	77-00	77-10	
76-00		76-16	76-00L	76-02	
76-14		77-26	76-14	77-24	
78-08		78-16	78-01	78-01	
77-22		77-30	77-15	77-18	
78-20		79-18	78-20	79-18	
79-25		79-27	78-15	78-15a	
78-06		78-20	78-06	78-12a	
78-16		78-20	76-15	77-08	
77-26		77-26	77-01	77-04	

December 1981

May	Open	High	Low	Close
1	76-27	78-00	76-22	77-16
2	77-29	78-30	77-29	78-30b
5	80-15	81-03	79-25	79-25a
6	80-02	81-01	80-02	80-29
7	81-20	81-20h	79-14	79-14
8	80-01	80-03	78-31	78-31
9	78-03	78-30	77-10	78-22a
12	79-03	79-03	78-06	78-06a
13	77-23	78-17	77-23	78-17b
14	79-02	79-05	78-26	79-05b
15	79-03	79-06	77-17	77-17a
16	78-00	78-12	76-28	77-03
19	76-03	76-12	75-25L	75-25a
20	76-05	77-18	76-05	77-17
21	76-00	78-04	77-25	77-25a
22	77-16	77-20	77-09	77-09
23	78-17	79-06	78-17	79-06b
26	HOLIDAY			
27	79-18	79-18	78-05	78-05a
28	78-04	78-08	78-02	78-03a
29	78-08	78-08	77-00	77-00a
30	77-10	77-17	76-25	76-30a

March 1982

Open	High	Low	Close	
76-24	77-29	76-18	77-09	
77-30	78-29	77-30	78-29	
79-10	80-23	79-10	79-24	
80-00	80-24	80-00	80-23	
82-00	82-00h	79-11	79-17	79-11a
79-14	80-00	78-28	78-28a	
78-15	78-19	77-14	78-12a	
78-10	78-10	77-31	77-31a	
77-15	78-10	77-15	78-10b	
78-20	78-27	78-20	78-21b	
78-20	78-20	77-10	77-10a	
77-25	77-26	76-25	76-29	
75-22	75-29	75-20L	75-20a	
75-31	77-18	75-31	77-10a	
			77-18n	
77-08	77-18	77-02	77-02a	
78-20	78-30	78-16	78-30b	
79-10	79-10	77-30	77-30a	
77-26	77-31	77-26	77-27a	
78-00	78-00	76-25	76-25a	
77-05	77-05	76-18	76-19	

June 1982

Open	High	Low	Close
76-13	77-20	76-13	77-02
77-21	78-16	77-21	78-16b
79-11	80-19	79-11	79-12a
79-21	80-23	79-21	80-23b
81-00	81-00h	79-04	79-04a
79-21	79-21	78-15	78-20
77-15	78-12	77-06	78-06a
78-00	78-00	77-25	77-25a
77-09	78-03	77-09	78-03b
78-14	78-20	78-14	78-14
78-24	78-24	77-04	77-04a
77-23	77-23	76-15	76-23
75-16	75-22	75-15L	75-15a
75-31	77-13	75-31	77-04
77-21	77-21	77-10	77-10a
77-06	77-11	76-26	76-26a
78-13	78-23	78-08	78-23b
79-03	79-03	78-02	78-02
77-26	77-26	77-21	77-21a
77-20	77-21	76-19	76-19a
77-03	77-03	76-12	76-13

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

	September 1982					December 1982			
May	Open		High	Low	Close	Open	High	Low	Close
1	76-10	76-09	77-08	76-06	76-27	76-00	77-00	76-00	76-20
2	77-07		78-10	77-07	78-10b				78-03n
5	80-07		80-07	79-05	79-05a				79-00n
6	79-14		80-08	79-14	80-08	80-00	80-00h	80-00	80-00
7	80-19		80-19h	78-29	78-29a				78-22n
8	79-18		79-18	78-12	78-12a	79-06	79-06	78-10	78-10
9	77-29		78-06	77-29	78-00a	77-04	78-00	76-28	77-26a
12	78-05	78-06	78-06	77-19	77-19a	77-30	77-30	77-13	77-13a
13					77-30n	77-02	77-25	77-02	77-25b
14	78-08		78-14	78-08	78-10b	78-20	78-20	78-03	78-07
15	76-30		76-30	76-30	76-30 76-30a	78-20	78-20	76-24	76-24a
16	77-13		77-13	76-15	76-17	76-28	76-28	76-05	76-11
19	75-18		75-23	75-10L	75-10a	75-10	75-13	75-05L	75-05a
20					76-30n	76-20	76-25	76-20	76-25b
21	77-14		77-14	77-03	77-03a	77-08	77-08	76-28	76-28a
22	77-00		77-10	76-22	76-22a	76-29	76-29	76-19	76-19a
23	78-16		78-17	78-16	78-17b	78-05	78-12	78-05	78-12b
26	HOLIDAY								
27	78-27		78-29	77-25	77-25a	78-25	78-25	77-18	77-18a
28	77-20		77-20	77-15	77-15a	77-13	77-13	77-09	77-09a
29	77-20		77-20	76-13	76-13a	77-18	77-18	76-08	76-08a
30	76-29		76-29	76-07	76-07	76-14	76-14	76-02	76-02

GNMA Volume of Sales

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
1	3,605	2,984L	1,709	527	481	953h	919h	310	255	353	26	12,124
2	3,569	4,163	1,564	904	167	33L	442	184	146	63		11,235
5	3,187	3,285	2,189h	808	418	239	524	701h	494	81		11,926
6	3,125	3,634	2,153	554	223	253	651	259	110	27	15	11,004
7	2,823	4,225	2,040	1,011h	587	403	454	369	384	403		12,699h
8	4,012h	3,376	1,569	356	803h	734	20	235	140	92	11	11,348
9	3,117	3,460	1,725	401	274	49	115	106	103	41	10	9,401
12	2,568	4,163	1,374	717	740	474	121	127	83	10	10	10,377
13	2,553	3,238	1,138	937	351	233	297	65	135		8	8,955
14	1,913	3,565	1,221	423	207	112	99	12L	52L	51	109h	7,764
15	2,716	4,444	2,172	751	438	372	187	82	120	2L	55	11,339
16	3,085	4,235	2,012	404	142L	210	338	67	787h	543h	16	11,839
19	2,161	4,673	1,531	576	158	216	374	449	180	35	25	10,378
20	2,105	5,162	1,271	297	671	743	373	440	181		4	11,247
21	1,326	5,560	1,431	474	194	155	88		105	100	21	9,454
22	1,008	4,117	919L	467	163	227	112	102	161	75	1L	7,352L
23	1,658	7,501h	932	413	192	180	63	123	54	51	1	11,168
26	HOLIDAY											
27	951L	4,469	1,440	242L	396	162	103	87	104	31	16	8,001
28	1,260	4,786	2,025	574	260	129	19L	142	60	54	13	9,322
29	1,812	7,000	1,909	733	216	164	80	41	82	120	34	12,191
30	1,215	5,912	1,909	760	212	162	57	118	78	120	62	10,605
Total	49,769	93,942	34,233	12,329	7,293	6,203	5,436	4,019	3,814	2,254	437	219,729

GNMA Open Contracts

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
1	8,017	11,044	7,849L	7,041L	5,323	5,087	5,172L	3,617	1,845L	770L	112	55,877L
2	7,860	10,982L	7,992	7,334	5,304L	5,095	5,351	3,605L	1,990	833	87L	56,433
5	7,771	11,154	8,454	7,488	5,438	5,053	5,458	3,822	2,037	893	87	57,655
6	7,698	11,542	8,469	7,653	5,502	5,170	5,386	3,957	2,085	896	87	58,445
7	7,936	11,382	8,588	7,951h	5,439	5,368	5,541	4,277	2,303	940	87	59,812
8	8,374h	11,555	8,812	7,838	5,412	5,483h	5,549	4,499	2,404	961	97	60,984
9	7,960	11,656	8,814	7,791	5,507	5,474	5,517	4,502	2,445	965	98	60,729
12	7,688	11,680	9,128	7,737	5,469	5,194	5,538	4,519	2,491	970	99	60,513
13	7,579	11,880	9,179	7,734	5,634	5,193	5,640	4,492	2,495	970	99	60,895
14	7,383	11,889	9,443h	7,664	5,660	5,190	5,641	4,480	2,478	1,011	140	60,979
15	7,167	12,080	9,345	7,834	5,575	5,100	5,668	4,520	2,473	1,009	160	60,931
16	6,804	11,967	9,064	7,704	5,628	5,021	5,456	4,530	3,077	1,458	157	60,866
19	6,904	11,914	8,777	7,668	5,607	5,001	5,714h	4,864	3,160	1,458	152	61,219
20	6,044	12,228	8,619	7,669	5,595	4,534	5,523	4,942	3,253	1,458	155	60,020
21	5,601	12,238	8,483	7,701	5,627	4,497L	5,440	4,942	3,288	1,473	166	59,456
22	5,518	12,130	8,513	7,818	5,671	4,707	5,439	4,916	3,349	1,499	167	59,727
23	5,228	13,583	8,430	7,714	5,736h	4,754	5,451	4,933	3,376	1,498	168	60,871
26	HOLIDAY											
27	5,087	13,936	8,914	7,747	5,720	4,932	5,695	5,055	3,359	1,508	164	62,117
28	5,144	14,159h	8,722	7,751	5,718	5,003	5,682	5,041	3,396	1,552	161	62,329h
29	4,134	13,768	8,882	7,786	5,709	4,931	5,619	5,067h	3,462	1,626	155	61,139
30	3,802L	13,470	8,731	7,894	5,703	4,944	5,607	5,028	3,508h	1,736h	186h	60,609

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices
Open, High, Low and Close
Points and 32nds at Par

June 1980

Jun	Open		High	Low	Close	
2	77-19		77-19	76-18L	77-03	
3	77-10		78-28	77-10	78-16	
4	78-30		79-12	78-19	79-01	
5	79-09	79-10	79-26	79-00	79-18	
6	79-25		80-21	79-15	80-12a	
9	80-22		81-07	80-05	80-08	80-05
10	80-04		80-21	79-06	79-27b	
11	79-14		80-13	79-14	80-07b	
12	80-13		81-02	79-28	81-02b	
13	82-03		82-11	81-17	81-24a	
16	81-07		81-23	81-07	81-18b	
17	82-05		82-12h	80-31	81-00	
18	80-28		81-06	80-17	80-30a	
19	81-09		81-22	81-08	81-18	
20						
23						
24						
25						
26						
27						
30						

September 1980

Jun	Open		High	Low	Close	
2	77-26	77-20	77-26	76-15L	77-01	77-03
3	77-04	77-09	78-28	77-04	78-20	78-24
4	79-06	79-12	79-18	78-19	79-05	79-04
5	79-14	79-25	79-30	79-05	79-22	79-19
6	80-00	80-06	80-28	79-15	80-18	80-14
9	81-00	81-04	81-19	80-13	80-13	80-17
10	80-05	80-08	81-01	79-15	80-06	80-08
11	79-27	79-30	80-25	79-20	80-16	80-13
12	80-25	80-22	81-10	80-05	81-07	81-05
13	82-12	83-02	83-02h	81-20	81-28	81-22
16	81-26	81-22	82-00	81-08	81-24	81-26
17	81-30	82-04	82-13	81-05	81-08	81-11
18	81-15	81-11	81-15	80-18	81-03	81-01
19	81-12	81-17	81-29	81-10	81-13	81-14
20	81-05	81-08	82-10	81-02	82-10	82-08
23	82-19	82-15	82-19	80-10	80-12	80-10
24	80-15	80-10	81-00	79-30	80-09	80-11
25	80-10	80-08	80-13	79-16	80-00	80-05
26	80-06	80-08	80-26	79-00	79-07	79-04
27	79-10	79-07	79-20	77-24	77-26	77-24
30	77-00	76-22	77-31	76-18	77-21	77-20

December 1980

Jun	Open		High	Low	Close	
2	77-21	77-14	77-21	76-13L	76-30	
3	77-04		78-19	77-04	78-15	78-16
4	78-25	78-30	79-09	78-13	78-29	78-28
5	79-12		79-18	78-29	79-14	79-12
6	79-23	79-28	80-18	79-06	80-02	80-01
9	81-00	80-27	81-09	80-00	80-05	
10	80-03	80-04	80-24	79-10	79-29	79-28
11	79-21		80-16	79-14	80-07	
12	80-22		81-03	79-30	81-03	81-01
13	82-22	83-00	83-00h	81-16	81-24	81-22
16	81-19	81-18	81-30	81-07	81-25	
17	82-00	81-31	82-04	81-04	81-07	81-10
18	81-11		81-13	80-15	81-00	
19	81-15	81-17	81-27	81-06	81-12	
20	81-04		82-08	81-02	82-07	82-08
23	82-13	82-16	82-16	80-08	80-08	80-08a
24	80-11	80-09	80-30	79-29	80-11	80-10
25	80-08		80-12	79-17	80-03	80-01
26	80-08	80-07	80-26	79-02	79-10	79-08
27	79-08	79-07	79-20	77-26	77-27	77-26
30	77-00	76-28	77-31	76-20	77-21	

March 1981

Jun	Open		High	Low	Close	
2	77-12		77-12	76-10L	76-24b	
3	76-31		78-14	76-31	78-07	
4	78-25		79-01	78-06	78-20	
5	79-05		79-07	78-18	79-04	
6	79-19		80-08	78-28	80-02	80-00
9	80-19		80-29	79-28	79-28a	
10	79-25	79-24	80-13	79-00	79-18	79-19
11	79-14		80-05	79-04	79-30	
12	80-08		80-25	79-22	80-25	
13	82-13	82-20	82-20h	81-09	81-23	
16	81-16		81-22	81-05	81-18	
17	81-23		81-25	81-00	81-00	
18	81-06		81-06	80-09	80-26	
19	81-03		81-18	81-00	81-04	
20	80-28		82-00	80-28	81-29	82-00
23	82-10		82-10	80-05	80-05	
24	80-06	80-03	80-26	79-24	80-03	
25	80-05	80-03	80-07	79-15	79-31	
26	80-04		80-21	79-05	79-09	
27	79-11		79-20	77-28	77-28	
30	76-30	76-27	77-26	76-20	77-18	

June 1981

Jun	Open		High	Low	Close	
2	76-23		76-26	76-06L	76-17b	
3	77-03		78-04	77-03	77-30	
4	78-15		78-17	77-25	78-10b	
5	78-25		78-25	78-12	78-23	
6	79-05		79-23	78-18	79-23b	
9	80-05		80-14	79-16	79-16	
10	79-00		79-30	78-23	79-07b	
11	78-28		79-25	78-25	79-19	
12	79-27		80-08	79-12	80-08	
13	81-31		82-00	81-02	81-15	
16	80-28		81-11	80-28	81-08	
17	81-10		81-14	80-22	80-22a	
18	80-23		80-23	80-03	80-10	
19	80-23		81-08	80-20	80-29	
20	80-31		81-24	80-31	81-24	
23	82-02		82-02h	80-00	80-00	
24	80-01		80-15	79-17	79-28	
25	79-30		80-00	79-16	79-26	
26	80-04		80-20	79-07	79-07	
27	79-14		79-18	77-28	77-28a	
30	76-30	77-00	77-26	76-21	77-15	

September 1981

Jun	Open		High	Low	Close	
2	76-30		76-30	76-09L	76-10	
3	76-20		77-22	76-20	77-22b	
4	78-05		78-05	77-13	78-00b	
5	78-10		78-12	78-02	78-08	
6	78-30		79-14	78-15	79-14	
9	79-27		80-00	79-00	79-00a	
10	78-27		79-16	78-16	78-24b	
11	78-21		79-07	78-21	79-07	
12	79-03		79-28	78-30	79-28b	
13	81-22		81-22h	80-20	81-05	
16	80-30		80-30	80-20	80-28	
17	80-29		80-31	80-11	80-11a	
18	80-02		80-11	79-25	79-29b	
19	80-18		80-28	80-18	80-20	
20	80-14		81-12	80-14	81-12	
23	81-05		81-05	79-22	79-22	
24	79-20		80-08	79-20	79-22	
25	79-19		79-20	79-14	79-20b	
26	79-31		80-14	79-08	79-08a	
27	79-14		79-14	78-04	78-04a	
30	76-31		77-11	76-22	77-10	

December 1981

Jun	Open		High	Low	Close	
2	76-10		76-10	76-04L	76-05b	
3	76-12		77-14	76-12	77-14b	
4	77-27		77-30	77-14	77-22b	
5	77-25		77-31	77-25	77-31b	
6	78-14		79-02	78-10	79-02b	
9	79-13		79-19	78-23	78-23a	
10	78-23		79-05	78-08	78-11b	
11	78-05		78-26	78-05	78-26b	
12	78-24		79-14	78-24	79-14b	
13	80-25		80-30	80-00	80-26	
16	80-09		80-19	80-09	80-16	
17	80-19		80-19	79-28	80-00	
18	79-23		79-29	79-14	79-21b	
19	80-02		80-19	80-02	80-11	
20	80-03		81-06	80-03	81-05	
23	81-17		81-17h	79-16	79-16a	
24	79-16		80-05	79-15	79-15	
25	79-11		79-14	79-00	79-13b	
26	79-21		80-10	79-04	79-04	
27	79-03		79-07	78-00	78-00a	
30	76-30		77-06	76-14	77-05	

March 1982

Jun	Open		High	Low	Close	
2	76-04		76-04	76-00L	76-03b	
3	76-04		77-06	76-04	77-06b	
4	77-18		77-24	77-06	77-12b	
5	77-22		77-22	77-14	77-14	
6	78-09		78-25	78-04	78-25b	
9	79-00		79-08	78-16	78-16a	
10	78-12		78-25	77-28	78-00b	
11	78-10		78-16	78-10	78-16b	
12	78-11		79-10	78-05	79-10b	
13	80-13		80-16	80-00	80-16b	
16	80-04		80-11	80-04	80-07	
17	80-09		80-09	79-21	79-21a	
18	79-30		79-30	79-09	79-13	
19	80-00		80-13	80-00	80-02	
20	80-00		80-20	80-00	80-20b	
23	81-03		81-03h	79-05	79-05a	
24	79-24		79-26	79-05	79-05	
25	79-04		79-08	78-26	79-07	
26	79-18		79-29	79-01	79-01a	
27	79-07		79-07	77-06	77-06	
30	76-29		76-31	76-08	76-31	

June 1982

Jun	Open		High	Low	Close	
2	75-16		75-24	75-16L	75-24b	
3	75-25		77-00	75-25	77-00b	
4	77-09		77-09	76-29	77-04b	
5	77-08		77-13	77-08	77-13b	
6	78-00		78-15	77-31	78-15	
9	78-23		78-24	78-04	78-04a	
10	78-10		78-12	77-18	77-23b	
11	77-20		78-06	77-17	78-06b	
12	78-00		79-05	78-00	79-05b	
13	80-01		80-04	79-25	80-04b	
16	79-21		79-30	79-19	79-25	
17	79-28		79-28	79-10	79-10a	
18	79-08		79-12	78-31	79-02	
19	79-20		79-29	79-16	79-24	
20	79-26		80-16	79-26	80-16b	
23	81-00	80-30	81-00h	79-02	79-02a	
24	78-31		79-20	78-31	78-31	
25	78-30		78-30	78-24	78-28b	
26	79-12		79-30	78-30	78-30a	
27	78-28		79-03	77-02	77-02	
30	76-26		76-26	76-04	76-25	

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jun	September 1982 Open	High	Low	Close	December 1982 Open	High	Low	Close	March 1983 Open	High	Low	Close
2	75-13	75-25	75-13L	75-20b	75-11	75-16	75-11L	75-12				
3	75-20	76-26	75-20	76-26b	76-07	76-20	76-07	76-20b				
4	76-20	76-29	76-20	76-28	77-04	77-04	76-14	76-20b				
5	77-04	77-05	77-00	77-05b				76-30n				
6	77-24	78-05	77-24	78-05b	77-17	77-28	77-17	77-28b				
9	78-14	78-14	77-26	77-26a	78-04	78-09	77-14	77-14a				
10	77-09	77-12	77-09	77-12b	77-23	77-23	77-01	77-05b				
11	77-22	77-28	77-22	77-28b	77-15	77-20	77-15	77-20b				
12	77-21	79-00	77-21	79-00b	77-13	78-22	77-13	78-22b				
13	79-18	79-26	79-18	79-26b	79-21	79-21	79-08	79-21				
16	79-12	79-20	79-12	79-15	79-04	79-04	79-04	79-04				
17	79-17	79-17	79-00	79-00a	79-05	79-05	78-23	78-23a				
18	78-24	78-24	78-24	78-24	78-16	78-24	78-16	78-24				
19	79-07	79-19	79-07	79-15	78-30	79-10	78-30	79-06				
20	79-12	80-02	79-12	80-02b	79-05	80-05	79-05	80-05	78-31	79-22h	78-31	79-22b
23	80-10	80-10h	79-00	79-00a	80-08	80-08h	78-27	78-27a	79-03	79-03	78-25	78-25a
24	78-25	79-08	78-25	78-28a	78-18	79-02	78-18	78-20a	78-12	78-28	78-12	78-15a
25	78-23	78-23	78-18	78-20	78-12	78-12	78-12	78-12	78-06	78-06	78-06	78-06
26	79-05	79-16	78-27	78-27a	79-02	79-12	78-24	78-24a	79-01	79-01	78-21	78-21a
27	78-30	78-30	76-30	76-30	78-27	78-27	76-27	76-27a	78-24	78-24	76-24	76-24a
30	76-22	76-22	76-04	76-17a	76-18	76-18	75-24	76-11a	76-14	76-15	75-29L	76-06a

GNMA Volume of Sales

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
2	793	6,001	1,549	1,057	244	171	102	28L	61	113	61		10,180
3	568	5,470	1,803	825	447	109	228	768	662	286	1L		11,167
4	826	5,740	1,322	452	261	89	76	67	69	9	8		8,919
5	316	3,424L	1,222L	505	179	68	98	409	247	132			6,600L
6	842h	7,059	2,489	1,110	427	203	76	96	29	7L	5		12,343
9	837	7,510	3,072h	631	420	630	816	1,250	1,323	368	71		16,928
10	285	7,158	2,829	522	200	413	399	549	426	164	76		13,021
11	619	5,052	1,499	467	317	217	54	51	81	51	50		8,458
12	569	5,860	1,578	456	241	73	36L	168	294	87	168		9,530
13	185	8,767h	2,962	2,338h	1,248h	425	1,177h	1,212	447	209	142		19,112h
16	56L	5,418	2,403	896	496	337	76	110	196	195	1		10,184
17	227	5,815	1,864	1,095	354	142	131	342	324	69	6		10,369
18	704	6,962	2,182	780	287	59L	49	161	24L	66	4		11,278
19	783	4,077	2,145	326L	171L	115	61	203	167	221	120		8,389
20		3,988	1,645	440	219	97	516	542	550	132	152	17	8,298
23		4,969	2,074	385	243	233	671	783	929	602	121	15	11,025
24		5,303	1,795	440	392	236	194	211	865	855	94	4L	10,389
25		6,054	1,755	923	601	417	406	404	1,168	1,233	132	16	13,109
26		6,607	2,280	1,293	931	685h	1,064	1,556	2,293h	1,459	580	106	18,854
27		5,948	2,132	920	263	352	270	839	1,200	1,463h	635h	202	14,224
30		5,326	2,020	709	440	340	1,170	2,329h	1,513	1,310	604	247h	16,008
Total	7,610	122,508	42,620	16,570	8,381	5,411	7,670	12,078	12,868	9,031	3,031	607	248,385

GNMA Open Contracts

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
2	3,219h	13,101	8,554	7,861	5,673	4,909L	5,521	5,009	3,559	1,843L	226		59,475
3	3,113	12,560	8,423L	7,848	5,830	4,917	5,497	4,995L	3,476L	2,029	225L		58,913
4	2,959	12,644	8,436	7,839	5,860h	4,963	5,513	5,017	3,497	2,029	232		58,989
5	2,879	11,997L	8,456	7,347L	5,492	4,936	5,411	5,136	3,736	2,034	232		57,656L
6	2,825	12,476	8,514	7,437	5,528	5,024	5,389	5,028	3,765	2,035	237		58,258
9	2,864	12,463	8,539	7,494	5,616	5,334	5,666	5,228	4,253	2,165	291		59,913
10	2,713	12,482	8,841	7,542	5,700	5,424	5,623	5,375	4,455	2,257	321		60,733
11	2,755	12,513	8,567	7,466	5,605	5,274	5,619	5,360	4,434	2,308	346		60,247
12	2,813	13,313	8,473	7,488	5,619	5,272	5,612	5,353	4,239	2,395	461		61,038
13	2,810	14,560	8,561	7,575	5,584	5,302	5,250	5,424	4,370	2,382	548		62,366
16	2,831	14,539	8,791	7,555	5,655	5,315	5,274	5,442	4,396	2,364	548		62,710
17	2,870	15,135	8,924	7,565	5,604	5,237	5,214	5,314	4,359	2,384	548		63,154
18	2,674	14,837	8,845	7,839	5,694	5,290	5,211L	5,380	4,361	2,444	548		63,123
19	2,710	15,005	9,021	7,842	5,693	5,245	5,214	5,525	4,399	2,417	593		63,664
20	2,458	14,961	8,785	7,929	5,683	5,235	5,508	5,700	4,456	2,508	705	11L	63,939
23	1,810	15,159	9,044	7,916	5,782	5,411	5,858	6,132	4,724	2,968	775	22	65,601
24	1,498	15,180h	9,094h	7,835	5,761	5,399	5,847	6,202	5,119	3,074	800	26	65,835
25	868	14,942	8,911	7,759	5,575	5,477	5,925	6,226	5,415	3,927	845	41	65,911
26	778	14,595	8,993	7,942	5,407	5,658	6,322	6,709	6,268	4,886	1,249	145	68,952
27	86L	14,605	9,028	8,006	5,301L	5,655	6,365	7,010h	6,799	5,652	1,447	291	70,245
30		14,640	8,917	8,062h	5,552	5,665h	6,475h	6,917	6,983h	6,301h	1,848h	493h	71,853h

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

September 1980

Jul	Open		High	Low	Close	
1	77-30	78-00	78-01	76-30	77-00	76-30
2	76-21	76-18	77-08	76-16	77-06	77-07
3	77-30	78-02	78-02	77-00	77-25	
4	HOLIDAY					
7	77-24	77-23	78-03h	75-26	75-26	75-26a
8	76-00	76-05	77-12	75-05	77-08	77-09
9	77-06	77-10	77-15	76-06	76-11	76-13
10	76-09	76-08	76-14	75-22	76-03	76-05
11	75-25	75-24	75-31	75-06	75-16	75-24
14	75-05	75-10	75-19	74-26	74-27	74-26
15	75-07	75-12	76-18	75-06	76-12	76-10
16	76-15	76-18	77-15	75-19	77-02	77-00
17	77-09	77-05	77-25	76-00	76-23	76-22
18	76-23	76-25	77-06	76-01	76-02	76-01
21	76-12	76-08	76-24	75-27	76-21	76-19
22	76-22	76-23	77-08	75-22	75-26	75-27
23	75-15	75-06	76-19	75-04	76-19	76-17
24	76-12	76-10	76-12	75-11	75-20	75-18
25	75-20	75-16	76-05	75-03	75-07	75-09
28	75-02	74-31	75-06	74-08	74-16	74-18
29	74-15	74-11	75-02	74-06	74-29	74-28
30	74-30	74-29	75-07	73-29	74-04	74-00
31	73-30	73-25	74-12	73-02L	73-07	73-09

December 1980

Jul	Open		High	Low	Close	
1	77-31	77-30	77-31	76-29	76-31	76-29
2	76-24	76-20	77-10	76-17	77-08	77-10
3	77-31	78-00	78-00	77-03	77-23	77-26
4						
7	77-21	77-24	78-02h	75-25	75-25a	
8	76-03	76-05	77-11	75-03	77-07	77-06
9	77-06		77-13	76-07	76-09	76-11
10	76-10	76-06	76-15	75-21	76-04	76-05
11	75-23		75-30	75-06	75-21	
14	75-09	75-07	75-17	74-25	74-26	74-25
15	75-12	75-09	76-17	75-05	76-10	
16	76-13		77-15	75-18	77-00	
17	77-07	77-04	77-24	76-04	76-20	
18	76-23		77-04	76-00	76-00	
21	76-08	76-13	76-22	75-26	76-18	76-19
22	76-23	76-21	77-05	75-21	75-25	75-26
23	75-05	75-10	76-17	75-02	76-15	
24	76-10		76-10	75-10	75-19	
25	75-16	75-15	76-02	75-02	75-06	75-07
28	75-00	74-30	75-04	74-06	74-14	74-15
29	74-11		75-00	74-05	74-27	
30	74-27		75-05	73-23	73-27	
31	73-23	73-20	74-06	72-25L	73-01	73-08

March 1981

Jul	Open		High	Low	Close	
1	77-26		77-26	76-15	76-20	76-15
2	76-15		77-04	76-15	77-04	
3	77-30	77-29	77-30h	77-00	77-18	
4						
7	77-18	77-19	77-28	75-20	75-20a	
8	76-00	76-03	77-07	75-02	77-03	
9	76-22		77-09	76-08	76-08	
10	76-00		76-08	75-20	75-30	
11	75-22		75-25	75-05	75-22	
14	75-10	75-07	75-19	74-24	74-26	74-24
15	75-07		76-16	75-05	76-10	
16	76-10		77-06	75-16	76-29a	
17	77-02		77-21	76-03	76-18	
18	76-23		77-00	76-00	76-00	
21	76-10		76-19	75-24	76-16	
22	76-25		77-02	75-20	75-25	
23	75-12	75-11	76-15	75-05	76-15	
24	76-02	76-03	76-05	75-14	75-18	
25	75-10		76-01	75-05	75-05	
28	74-29		75-03	74-05	74-14	
29	74-11		75-00	74-06	74-24	
30	74-27		75-03	73-21	73-26	
31	73-21	73-22	74-05	72-26L	73-09	

June 1981

Jul	Open		High	Low	Close	
1	77-18		77-22h	76-18	76-18	
2	76-10		76-27	76-06	76-26	
3	77-03		77-14	76-27	77-14	
4	HOLIDAY					
7	77-14		77-16	75-11	75-11a	
8	75-31		76-26	75-00	76-26	
9	76-29		77-00	76-04	76-04	
10	76-02		76-02	75-13	75-22	
11	75-19		75-19	75-00	75-14b	
14	75-03		75-13	74-24	74-25a	
15	75-04		76-05	75-04	76-00	
16	76-02		76-30	75-14	76-24a	
17	76-21		77-12	76-02	76-09	
18	76-15		76-28	75-29	75-29a	
21	76-04		76-14	75-23	76-10	
22	76-19		76-30	75-16	75-20	
23	75-08	75-10	76-09	75-00	76-01	
24	75-30		75-30	75-08	75-14	
25	75-08		75-29	75-00	75-03	
28	75-00		75-00	74-07	74-12	
29	74-12		74-28	74-12	74-22	
30	74-28		74-30	73-25	73-25	
31	73-16		74-02	72-23L	73-05	73-04

September 1981

Jul	Open		High	Low	Close	
1	77-03		77-10h	76-15	76-16	
2	76-07		76-20	76-07	76-13	
3	76-26		77-07	76-18	76-26	
4						
7	76-31		77-03	75-01	75-01a	
8	75-17	75-15	76-15	74-18	76-15b	
9	76-04		76-20	76-04	76-06	
10	75-18		75-22	75-11	75-13	
11	75-10		75-10	74-27	75-07b	
14	74-25		75-00	74-19	74-23	
15	74-30		75-28	74-30	75-27	
16	75-11		76-16	75-11	76-16	
17	76-12		77-04	75-30	76-00	
18	76-08		76-18	75-22	75-25	
21	75-27		76-08	75-14	76-05	
22	76-13		76-18	75-12	75-12	
23	75-00		76-00	75-00	75-26	
24	75-20		75-20	75-06	75-09	
25	75-08	75-07	75-21	74-28	74-28	
28	74-25		74-25	74-02	74-02	
29	74-06		74-20	74-00	74-18	
30	74-16		74-16	73-30	73-30a	
31	73-22		73-28	72-26L	72-30b	

December 1981

Jul	Open	High	Low	Close
1	76-27	77-04h	76-08	76-08
2	76-00	76-08	75-27	76-00
3	76-16	76-29	76-10	76-16
4				
7	76-21	76-21	74-23	74-23a
8	75-05	76-06	74-19	76-06b
9	76-12	76-15	75-26	75-26a
10	75-09	75-13	75-04	75-04b
11	74-26	74-31	74-23	74-31b
14	74-30	74-30	74-12	74-13a
15	75-01	75-20	74-30	75-20b
16	75-16	76-13	75-11	76-13
17	76-04	76-21	75-23	75-25
18	76-01	76-08	75-19	75-19a
21	75-10	76-00	75-10	76-00b
22	76-01	76-01	75-06	75-06
23	75-00	75-26	75-00	75-20
24	75-20	75-20	75-04	75-04
25	75-04	75-13	74-29	74-29a
28	74-17	74-17	74-00	74-00
29	74-01	74-14	74-01	74-14
30	74-19	74-19	73-16	73-16
31	73-11	73-23	72-17L	72-25b

March 1982

Jul	Open	High	Low	Close
1	76-19	76-28h	76-02	76-02a
2	75-18	76-00	75-18	76-00
3	76-06	76-19	76-04	76-08
4	HOLIDAY			
7	76-11	76-11	74-13	74-13a
8	75-05	75-30	74-10	75-30b
9	75-29	76-08	75-17	75-17a
10	75-03	75-08	74-22	74-27
11	74-21	74-25	74-15	74-25b
14	74-11	74-17	74-05	74-07
15	74-29	75-16	74-25	75-16
16	75-09	76-04	75-05	76-00
17	75-29	76-10	75-13	75-17
18	76-00	76-00	75-15	75-15a
21	75-09	75-25	75-09	75-25b
22	75-27	75-27	75-03	75-03a
23	74-29	75-19	74-28	75-17
24	75-12	75-12	75-00	75-00
25	74-30	75-08	74-24	74-24a
28	74-12	74-12	73-25	73-25
29	73-27	74-10	73-27	74-08
30	74-15	74-15	73-12	73-12
31	73-05	73-16	72-10L	72-20

June 1982

Jul	Open	High	Low	Close
1	76-20	76-20h	75-27	75-27a
2	75-11	75-24	75-11	75-14
3	75-31	76-11	75-29	75-31a
4				
7	76-01	76-02	74-03	74-03a
8	74-04	75-22	74-04	75-22b
9	75-26	75-28	75-12	75-12a
10	75-02	75-03	74-20	74-20b
11	74-12	74-15	74-10	74-15b
14	74-07	74-11	73-31	74-00a
15	74-19	75-08	74-17	75-08a
16	75-07	75-27	74-19	75-27b
17	76-00	76-12	75-09	75-09
18	75-19	75-30	75-09	75-09a
21	75-10	75-18	75-01	75-18
22	75-22	75-30	75-02	75-02a
23	74-26	75-11	74-26	75-11
24	75-06	75-06	74-30	74-30
25	74-24	75-02	74-15	74-15
28	73-30	73-30	73-20	73-20
29	73-23	74-04	73-23	74-04
30	74-10	74-10	73-04	73-04
31	72-31	73-12	72-02L	72-15b

September 1982

Jul	Open	High	Low	Close
1	76-13	76-13h	75-16	75-16
2	75-04	75-14	75-04	75-13
3	75-22	75-28	75-22	75-24
4				
7	75-24	75-24	73-26	73-26a
8	74-00	75-15	73-20	75-15b
9	75-12	75-21	74-29	74-29a
10	74-28	74-28	74-14	74-14b
11	74-10	74-15	74-05	74-12b
14	74-01	74-05	73-23	73-26a
15	74-15	74-28	74-12	74-28
16	74-31	75-16	74-19	75-16b
17	75-14	76-02	75-03	75-03
18	75-14	75-23	75-04	75-04a
21	74-29	75-11	74-29	75-11b
22	75-19	75-30	75-00	75-00
23	74-20	75-05	74-19	75-05
24	75-03	75-03	74-28	74-28
25	74-18	74-28	74-12	74-12
28	73-31	73-31	73-14	73-14
29	73-11	73-30	73-11	73-30
30	74-05	74-05	73-10	73-10a
31	72-26	72-26	71-30L	72-10b

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

	December 1982				March 1983			
Jul	Open	High	Low	Close	Open	High	Low	Close
1	76-10	76-10h	75-14	75-14a				75-08n
2	74-29	75-04	74-29	75-00	74-24	74-24	74-24	74-24
3	75-15	75-20	75-15	75-17a	75-10	75-10	75-10	75-10
4	HOLIDAY							
7	75-16	75-16	73-18	73-18a	75-14	75-17	73-11	73-11a
8	73-06	75-09	73-06	75-09b	74-08	75-04	74-02	75-04b
9	75-13	75-15	74-29	74-29a	75-19	75-19h	74-25	74-25a
10	74-22	74-22	74-09	74-09b	74-10	74-10	74-05	74-05b
11	74-05	74-05	74-00	74-05b	73-30	74-05	73-28	74-05b
14	73-30	74-00	73-16	73-23a	73-27	73-28	73-18	73-18a
15	74-05	74-24	74-05	74-24b	74-07	74-20	74-07	74-20
16	74-15	75-13	74-08	75-13b	74-15	75-03	74-15	75-03b
17	75-10	75-23	75-00	75-00	74-28	74-28	74-28	74-28
18				74-31n	75-10	75-10	74-27	74-27a
21	74-24	75-04	74-24	75-04b				74-30n
22	75-16	75-20	74-28	74-28a	75-03	75-03	74-24	74-24a
23				74-31n				74-27n
24	74-30	74-30	74-26	74-26	74-26	74-26	74-21	74-21
25	74-11	74-20	74-09	74-09a				74-06n
28	73-26	73-26	73-10	73-10a				73-03n
29	73-26	73-26	73-26	73-26	73-22	73-22	73-22	73-22
30	74-00	74-00	72-25	72-25	73-28	73-28	73-00L	73-00a
31	72-19	72-26	71-25L	72-05b				72-00n

GNMA Volume of Sales

Reported in Contracts

Jul	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	5,435	2,173	463	411	283	281h	514h	355	627h	152	5	10,699
2	4,523	1,569	858	348	203	130	152	367	571	230	61	9,012
3	4,774	1,689	333	204	250	79	30	166	96	48	1L	7,670
4	HOLIDAY											
7	4,750	1,926	612	166	243	99	245	209	297	292	29	8,868
8	7,227h	2,358	456	345	354h	254	208	563h	368	816h	145	13,094h
9	3,152	819	264	135	171	57	146	494	54	515	61	5,868
10	3,488	1,027	265	171	82	33	64	184	324	149	5	5,792
11	4,118	1,297	324	99	113	40	64	228	45	205	10	6,543
14	3,848	1,195	381	86	230	121	288	362	114	36	2	6,663
15	3,369	1,320	193	115	26	21	101	180	122	37	1	5,485
16	5,589	1,801	275	245	86	58	87	262	199	42	60	8,704
17	4,985	1,644	445	70	51	33	84	78	129	174	168h	7,861
18	3,033	1,122	198	95	94	31	37	12L	16L		5	4,643
21	3,673	756L	83L	90	103	80	21	97	82	71		5,056
22	3,652	1,648	329	72	42	2L	13L	54	81	52	25	5,970
23	4,616	1,400	365	96	92	39	81	62	41			6,792
24	2,725L	777	150	64	61	65	72	12	53	28	6	4,023L
25	3,222	1,467	294	167	98	118	20	216	50	90		5,742
28	4,065	2,111	610	323	86	48	123	110	129	40		7,645
29	4,075	1,404	610	33L	204	87	307	210	84	1L	1	7,016
30	4,579	2,157	661	412h	17L	97	61	186	120	19	13	8,322
31	5,039	3,006h	869h	370	193	240	383	105	316	1		10,522
Total	93,937	34,666	9,048	4,117	3,082	2,013	3,101	4,512	3,918	2,998	598	161,990

GNMA Open Contracts

Reported in Contracts

Jul	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	14,217h	9,155	7,915	5,525	5,798	6,576h	6,748	6,974L	6,433	1,861L	553L	71,755
2	13,763	9,112	8,046h	5,627	5,853	6,554	6,692	7,071	6,487	1,977	591	71,773
3	13,846	9,105	7,995	5,642	5,836	6,481	6,705	7,079	6,545	1,977	590	71,801
4	HOLIDAY											
7	13,834	9,286h	7,946	5,637	5,869	6,425	6,785h	7,066	6,398L	2,102	585	71,933
8	13,878	8,932	7,889	5,651h	5,926	6,349	6,611	7,454h	6,569	2,073	670	72,002h
9	13,487	8,933	7,900	5,608	5,935h	6,353	6,546	7,085	6,508	2,253	653	71,261
10	13,217	8,732	7,862	5,602	5,896	6,350	6,567	7,056	6,796	2,319	654	71,051
11	13,366	8,713	7,813	5,507	5,878	6,347	6,549	7,151	6,799	2,367	650	71,140
14	13,197	8,911	7,749	5,487	5,793	6,372	6,534	7,136	6,804h	2,375	650	71,008
15	13,267	8,766	7,632	5,460	5,802	6,364	6,528L	7,210	6,767	2,389	649	70,834
16	12,902	8,974	7,783	5,488	5,813	6,357	6,543	7,333	6,761	2,411h	647	71,012
17	12,645	8,955	7,932	5,472	5,816	6,331	6,555	7,295	6,761	2,375	723	70,860
18	12,645	8,832	7,913	5,497	5,814	6,330	6,579	7,283	6,748	2,375	727h	70,743
21	12,726	8,772	7,892	5,444	5,800	6,324	6,571	7,240	6,686	2,359	727	70,541
22	12,673	8,925	7,947	5,449	5,799	6,323	6,558	7,214	6,662	2,330	727	70,607
23	12,738	9,066	7,952	5,431L	5,806	6,322	6,567	7,200	6,660	2,330	727	70,799
24	12,374	9,189	7,933	5,454	5,771	6,261	6,561	7,189	6,657	2,316	727	70,432
25	12,305	9,091	7,869	5,488	5,777	6,271	6,579	7,054	6,663	2,312	727	70,136
28	12,104	9,145	7,833	5,532	5,767L	6,256L	6,618	7,087	6,698	2,324	727	70,091
29	11,621	8,828	7,725	5,513	5,859	6,269	6,697	7,053	6,712	2,324	727	69,328
30	11,387	8,652	7,454	5,588	5,860	6,321	6,700	7,090	6,755	2,308	715	68,820
31	10,921L	8,265L	7,215L	5,577	5,882	6,313	6,590	7,107	6,681	2,309	715	67,575L

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

September 1980

Aug	Open		High	Low	Close	
1	73-15	73-12	73-30	73-02	73-28	73-30
4	74-03	74-05	74-18	73-12	74-14	
5	74-20	74-19	75-04h	73-31	74-03	74-02
6	74-05	74-03	74-18	73-20	74-07	74-06
7	74-00	73-27	74-27	73-26	74-22	74-21
8	74-04	74-01	74-10	73-10	73-16	73-12
11	73-15	73-07	73-15	72-13	72-17	72-16
12	72-15	72-24	73-07	72-14	73-02	73-01
13	73-23	73-19	73-23	72-30	73-06	
14	73-11	73-12	73-22	73-05	73-11	73-14
15	73-16	73-06	74-11	72-25	74-09	74-11
18	73-05	73-12	73-12	72-10	72-14	
19	72-14		72-27	71-23	71-27	
20	71-17	71-24	72-18	71-17	72-18	72-15
21	72-28	72-29	73-00	71-21	72-13	72-11
22	72-10	72-08	72-28	72-06	72-24	72-22
25	71-28		72-07	71-24	71-26	71-24
26	72-00		72-07	71-21	71-24	71-22
27	71-19	71-18	71-25	71-01	71-01	71-03
28	71-04	71-05	71-07	70-06	70-08	70-07
29	70-11	70-14	71-23	69-25L	71-10	71-08

December 1980

Open		High	Low	Close	
73-08	73-10	73-20	72-27	73-19	
73-24	73-28	74-11	73-07	74-08	74-10
74-13	74-15	75-01h	73-28	74-02	
74-02	74-00	74-12	73-15	74-01	
73-23		74-19	73-21	74-11	74-12
73-28	73-24	74-04	73-03	73-07	73-05
73-04		73-05	72-05	72-08	
72-12		72-31	72-07	72-26	
73-12	73-10	73-15	72-22	73-00	72-31
73-04		73-14	72-28	73-06	73-05
72-29		74-00	72-17	73-30	74-00
73-00	72-30	73-01	71-31	72-04	
72-05	72-10	72-17	71-17	71-21	71-22
71-17	71-21	72-07	71-10	72-05	72-06
72-18	72-20	72-23	71-10	72-01	72-02
71-31	72-10	72-23	71-31	72-18	
71-24	71-15	72-01	71-15	71-19	71-18
71-26		72-00	71-16	71-16	71-18
71-10	71-05	71-15	70-21	70-22	70-21
70-26	70-28	70-28	69-29	70-00	
69-28	70-00	71-18	69-14L	71-11	71-07

March 1981

Open		High	Low	Close	
73-02		73-18	72-28	73-18	
73-20		74-09	73-05	74-09	
74-12	74-14	74-31h	73-29	74-00	
73-31		74-09	73-15	74-00	
73-22		74-16	73-22	74-10	74-08
73-26		74-01	73-03	73-05	73-04
73-06		73-06	72-04	72-06	
72-15	72-14	72-26	72-05	72-25	
73-08	73-09	73-10	72-19	72-28	
73-02		73-11	72-26	73-02	
72-22		73-30	72-16	73-30	73-28
72-28		72-28	71-28	72-01	72-03
72-09		72-15	71-18	71-23	
71-17		72-08	71-11	72-08	
72-21		72-22	71-13	72-02	
72-06		72-25	72-05	72-23	
71-15	71-19	72-06	71-15	71-21	
71-30		72-03	71-20	71-21b	71-22a
71-10	71-07	71-20	70-28	70-28	
70-30		71-01	70-02	70-07	70-06
70-05		71-22	69-23L	71-09	

June 1981

Aug	Open		High	Low	Close	
1	73-03		73-14	72-27	73-14b	
4	73-20		74-08	73-04	74-07	
5	74-09		74-24h	73-30	73-30	
6	73-28		74-08	73-13	73-28	
7	73-17		74-10	73-17	74-08	
8	73-19		73-29	72-31	72-31	
11	73-02		73-02	71-30	72-01	
12	72-10		72-22	72-01	72-22b	
13	73-04		73-05	72-17	72-26	
14	72-29		73-04	72-25	72-29b	
15	72-16		73-26	72-15	73-26b	
18	72-15		72-18	71-26	71-31	
19	72-10		72-10	71-15	71-18	
20	71-18	71-19	72-05	71-11	72-05b	
21	72-10		72-20	71-13	72-01	
22	72-14		72-25	72-09	72-22	
25	71-23		72-05	71-23	71-27	
26	72-02		72-06	71-22	71-25a	
27	71-08		71-22	71-01	71-01	
28	71-05		71-05	70-11	70-14	
29	70-12		71-23	69-28L	71-19	

September 1981

Open	High	Low	Close
73-00	73-07	72-24	73-07b
73-16	74-00	73-02	74-00b
74-04	74-18h	73-27	73-27
73-24	74-02	73-12	73-23
73-17	74-07	73-17	74-00b
73-09	73-22	72-28	73-01
72-23	72-23	72-00	72-00
72-04	72-15	71-26	72-15
72-30	72-30	72-13	72-21
72-24	73-00	72-20	72-23
72-17	73-20	72-10	73-20b
72-06	72-10	71-25	71-27
71-26	72-06	71-14	71-15
71-12	72-03	71-06	72-03b
72-15	72-16	71-16	71-31
72-12	72-22	72-02	72-21
72-23	72-03	71-23	72-00
72-03	72-03	71-27	71-28
71-11	71-23	71-06	71-06a
71-03	71-04	70-21	70-21
70-19	71-18	70-06L	71-18

December 1981

Open	High	Low	Close
72-28	73-01	72-20	73-01b
73-04	73-27	72-28	73-27b
74-08	74-14h	73-25	73-25a
73-24	73-30	73-08	73-18
73-12	74-00	73-12	74-00b
73-09	73-09	72-23	72-24
72-10	72-14	71-28	71-28a
72-02	72-13	71-24	72-12
72-23	72-23	72-07	72-14
72-17	72-25	72-14	72-15
72-12	73-15	72-05	73-15
72-00	72-04	71-15	71-20
71-24	72-02	71-05	71-11
71-08	72-02	71-00	72-02b
72-07	72-17	71-15	71-28
72-11	72-20	72-08	72-19
71-24	72-04	71-24	72-01
72-03	72-03	71-28	71-28
71-18	71-24	71-07	71-07a
71-05	71-05	70-23	70-23
70-26	71-18	70-22L	71-18

March 1982

Aug	Open	High	Low	Close
1	72-24	73-10	72-15	73-10
4	73-00	73-22	72-26	73-22b
5	73-24	74-07h	73-17	73-17
6	73-04	73-25	73-04	73-14
7	73-08	73-27	73-08	73-27b
8	73-10	73-10	72-16	72-16
11	72-11	72-11	71-25	71-25a
12	71-29	72-05	71-21	72-05
13	72-18	72-18	72-01	72-07
14	72-11	72-20	72-08	72-09
15	72-06	73-05	72-00	73-05b
18	71-27	71-31	71-12	71-14
19	71-12	71-29	71-04	71-07
20	70-25	71-30	70-25	71-30b
21	72-13	72-13	71-12	71-25
22	72-13	72-18	71-30	72-17
25	71-22	72-02	71-22	72-01
26	72-09	72-09	71-28	71-28
27	71-11	71-22	71-09	71-09a
28	71-05	71-05	70-26	70-26
29	70-31	71-21	70-22L	71-21

June 1982

Open	High	Low	Close
72-19	72-23	72-12	72-23b
72-30	73-17	72-22	73-17b
73-20	74-07h	73-15	73-15a
73-00	73-20	73-00	73-10
73-04	73-22	73-04	73-22b
73-02	73-04	72-12	72-12
72-00	72-00	71-21	71-21a
71-24	71-31	71-16	71-31
72-14	72-14	71-28	72-01
72-04	72-13	72-00	72-03
71-26	72-31	71-26	72-31b
71-22	71-25	71-06	71-06
71-08	71-27	71-02	71-02
71-00	71-28	71-00	71-28b
72-10	72-10	71-09	71-20
72-00	72-16	71-28	72-15
71-24	72-00	71-24	72-00
72-08	72-08	71-28	71-28a
71-10	71-18	71-09	71-09a
71-04	71-04	70-29	70-29
70-26	71-25	70-24L	71-25

September 1982

Open	High	Low	Close
72-12	72-17	72-07	72-17b
72-24	73-12	72-24	73-12b
73-15	73-27h	73-12	73-12a
72-28	73-15	72-25	73-05
73-00	73-16	73-00	73-11b
72-20	72-20	72-10	72-10
71-27	71-27	71-17	71-17a
71-20	71-26	71-14	71-25
72-09	72-09	71-24	71-27
71-30	72-09	71-30	72-00
71-20	72-26	71-20	72-26b
71-17	71-18	71-02	71-02
71-06	71-20	70-31	70-31
70-28	71-26	70-28	71-26b
72-00	72-06	71-06	71-17
72-04	72-13	71-26	72-12
71-19	71-31	71-19	71-31
71-28	71-31	71-28	71-28
71-14	71-17	71-09	71-09a
71-04	71-04	70-26L	71-00
70-29	72-00	70-27	71-22

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Aug	December 1982 Open	High	Low	Close	March 1983 Open	High	Low	Close
1	72-05	72-11	72-03	72-11b	72-05	72-05	72-05	72-05
4	72-21	73-07	72-20	73-07b	72-17	73-03	72-15	73-03b
5	73-23	73-26h	73-09	73-09a	73-10	73-19h	73-06	73-06a
6				73-00n				72-28n
7	73-00	73-12	73-00	73-05b	73-08	73-08	73-00	73-05b
8				72-08n				72-05n
11	71-24	71-24	71-13	71-13a				71-10n
12	71-16	71-21	71-10	71-21	71-13	71-17	71-07	71-17
13	72-04	72-04	71-20	71-23	71-16	71-21	71-16	71-18a
14	71-27	72-02	71-24	71-25	71-23	72-00	71-22	71-22
15	71-22	72-20	71-16	72-20b	71-18	72-1[illegible]	71-09	72-15b
18	7[illegible]-16	71-16	71-00	71-00	71-13	71-13	70-28	70-28a
19	71-06	71-17	70-28	70-28a	71-11	71-11	70-25	70-26
20	70-23	71-24	70-23L	71-24b	70-20	71-22	70-19L	71-22b
21	72-04	72-04	71-03	71-13				71-10n
22	72-02	72-10	71-24	72-09	72-10	72-10	72-09	72-09a
25	71-18	71-30	71-18	71-30	71-18	71-30	71-17	71-30
26	71-28	71-30	71-27	71-27a				71-26n
27	71-13	71-16	71-09	71-09a	71-13	71-15	71-09	71-09a
28	71-01	71-02	70-27	71-02	70-31	71-04	70-31	71-04b
29	71-03	72-03	71-03	71-28	71-06	72-10	71-06	72-00

GNMA Volume of Sales

Reported in Contracts

Aug	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	3,939	2,305	576	202	525	1,235h	1,646h	1,074h	319	41	69	11,931h
4	3,069	1,413L	179	138	149	14L	241	123	201	129	108	5,764
5	3,037	1,771	240	203	180	110	341	75	433	176	18	6,584
6	3,975h	1,477	147L	168	3L	77	1L	94	58			6,000
7	3,498	1,515	432	41L	35	35	22	77	101	16	10	5,782
8	2,845	1,675	493	104	80	146	141	48	35			5,567
11	3,387	2,327	518	130	161	112	84	519	8L	405		7,651
12	3,162	2,594	1,159	173	176	152	1,399	705	1,246h	539	65	11,370
13	1,927	2,423	454	280	123	170	42	391	98	370	2L	6,280
14	2,181	2,032	240	199	301	49	47	69	35	1,013h	1,008h	7,174
15	2,643	2,410	438	55	88	17	97	44L	62	103	48	6,005
18	2,293	2,558	331	124	58	54	50	351	318	98	21	6,256
19	2,269	2,860	928	158	524	173	166	233	154	139	35	7,639
20	2,040	3,301	908	814h	757h	297	186	195	171	319	155	9,143
21	2,475	3,424	890	483	224	214	481	165	272	13		8,641
22	1,176	2,182	425	82	92	35	99	239	235	26	4	4,595
25	978	1,939	695	195	545	443	310	226	92	38	10	5,471
26	895	1,918	659	127	287	130	178	192	57	62		4,505L
27	1,504	2,784	1,013	401	632	433	531	458	47	10L	3	7,816
28	1,303	3,755	1,576h	420	485	329	473	383	267	171	5	9,167
29	735L	4,026h	1,122	401	619	401	447	177	191	84	53	8,256
Total	49,331	50,689	13,423	4,898	6,044	4,626	6,982	5,838	4,400	3,752	1,614	151,597

GNMA Open Contracts

Reported in Contracts

Aug	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	10,646h	8,462h	7,173h	5,660	6,140L	6,420h	6,570	6,991	6,733	2,324L	707	67,826h
4	10,035	8,178	7,121	5,655L	6,154	6,414	6,503L	6,875	6,701	2,427	705	66,768
5	9,627	7,817	7,099	5,704	6,219	6,326	6,583	6,802	6,799	2,561	695L	66,232
6	9,321	7,849	7,074	5,758	6,220	6,285	6,582	6,720	6,644	2,561	695	65,709
7	9,223	7,907	7,000	5,765	6,203	6,320	6,560	6,720	6,610	2,564	695	65,567
8	9,368	8,112	7,015	5,785	6,184	6,331	6,521	6,676L	6,595	2,564	695	65,846
11	9,369	8,003	6,878	5,775	6,187	6,275	6,515	7,137	6,594L	2,565	695	65,993
12	8,910	7,895	6,858	5,738	6,289	6,275	7,356	6,829	6,627	2,682	745	66,204
13	8,674	7,643	6,772	5,802	6,247	6,291	7,321	7,059	6,646	2,953	745	66,153
14	8,448	7,619	6,709	5,809	6,446	6,269	7,359	7,054	6,650	3,234	1,685	67,282
15	8,394	7,939	6,537	5,817	6,473	6,286	7,381	7,029	6,688	3,292	1,714	67,550
18	8,248	8,088	6,445	5,763	6,484	6,275	7,359	6,971	6,759	3,338h	1,735	67,485
19	7,742	7,974	6,245L	5,700	6,656	6,259	7,435	6,981	6,745	3,345	1,738h	66,320
20	7,536	7,985	6,407	6,256h	6,843h	6,202	7,470	6,999	6,750	3,326	1,723	67,497
21	7,236	7,957	6,306	5,878	6,619	6,220	7,693	7,042	6,751	3,313	1,723	66,738
22	6,992	7,910	6,363	5,873	6,615	6,202	7,711	7,078	6,766	3,287	1,719	66,516
25	6,835	7,592L	6,309	5,770	6,365	5,934	7,732	7,090	6,787	3,270	1,709	65,393
26	6,455	7,656	6,452	5,804	6,347	6,013	7,861h	7,148	6,803	3,289	1,709	65,537
27	4,883	8,100	6,545	5,732	6,318	5,862	7,771	7,132	6,798	3,286	1,706	64,133
28	3,556	8,194	6,760	5,719	6,361	5,834L	7,687	7,242h	6,846	3,331	1,701	63,231
29	3,280L	8,235	6,749	5,774	6,390	5,869	7,689	7,242	6,863h	3,332	1,722	63,145L

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

September 1980

Sep	Open		High	Low	Close	
1	HOLIDAY					
2	71-00		73-07	71-00L	72-05	
3	72-18	72-24	73-07	72-18	72-30	73-02
4	73-08	73-16	73-16	72-20	72-27b	
5	72-26		73-05	72-10	72-20	
8	72-05		72-11	71-27	72-00	
9	72-05		72-30	71-31	72-26	72-27
10	72-12		73-19h	72-12	73-08a	
11	73-00		73-00	72-18	72-20a	
12	72-09		72-20	72-06	72-20	
15	71-19	71-20	72-01	71-18	72-00	
16	72-07		72-10	72-04	72-08a	
17	72-12		72-18	71-25	71-30	
18	71-25		72-03	71-05	71-30	
19	72-05		72-17	72-03	72-10	
22						
23						
24						
25						
26						
29						
30						

October 1980

Open		High	Low	Close
72-20		73-05h	72-20	73-01
				72-27n
				72-12n
71-18		71-18	71-18	71-18
				71-27n
				71-04n
				71-21n
				71-21n
				69-25n
				69-15n
				70-00n
				69-13n
68-28	—	68-28	68-28L	68-28
				68-22n
				70-04n

November 1980

Open	High	Low	Close
72-20	73-05h	72-20	73-01
			72-27n
			72-12n
71-18	71-18	71-18L	71-18
			71-27n
			71-04n
			71-19n
			71-19n
			69-24n
			69-14n
			69-29n
			69-13n
			68-25n
			68-21n
			70-03n

December 1980

Sep	Open		High	Low	Close	
1	HOLIDAY					
2	71-00		73-09	70-31	72-10	72-08
3	72-22	72-25	73-12	72-18	72-30	73-00
4	73-04	73-07	73-09	72-19	72-27	72-29
5	72-27	72-22	73-10	72-07	72-22	72-19
8	72-16	72-13	72-18	71-24	71-31	71-30
9	72-03		73-00	71-23	72-23	72-26
10	72-16	72-15	73-15h	72-14	73-00	73-01
11	72-24	72-23	72-26	72-10	72-11	72-10
12	72-05	72-03	72-21	71-26	72-10	72-13
15	71-15	71-08	71-27	71-08	71-16	71-17
16	71-17	71-20	72-00	71-11	71-24	71-26
17	71-28	72-00	72-08	71-02	71-02	71-06
18	71-05	71-08	71-22	70-31	71-18	
19	71-24	71-26	72-12	71-18	71-18	71-20
22	70-30	70-04	70-30	69-20	69-21	69-23
23	69-20	69-23	69-23	69-03	69-10	69-11
24	69-23	69-26	70-06	69-21	69-27	69-28
25	69-25	69-27	69-31	69-04	69-13	69-16
26	68-04	68-16	68-31	68-04	68-22	68-23
29	68-07	68-11	68-25	68-02L	68-19	68-20
30	68-22	68-23	70-02	68-22	70-01	70-02

January 1981

Open		High	Low	Close
72-20		73-05h	72-20	73-01
				72-27n
				72-12n
71-18		71-18	71-18L	71-18
				71-26n
				71-04n
				71-18n
				71-18n
				69-23n
				69-13n
				69-26n
				69-12n
				68-23n
				68-20n
				70-02n

February 1981

Open	High	Low	Close
72-20	73-05h	72-20	73-01
			72-27n
			72-12n
71-18	71-18	71-18L	71-18
			71-27n
			71-04n
			71-18n
			71-18n
			69-23n
			69-13n
			69-26n
			69-12n
			68-23n
			68-20n
			70-02n

March 1981

Sep	Open		High	Low	Close	
1	HOLIDAY					
2	70-31		73-11	70-31	72-12	72-14
3	72-25		73-13	72-22	73-00	
4	73-09	73-13	73-13	72-22	72-31	
5	72-25		73-09	72-09	72-23	
8	72-20	72-19	72-20	71-25	71-31	72-00
9	72-04		72-31	71-25	72-24	72-25
10	72-14		73-14h	72-14	72-29	72-31
11	72-17		72-24	72-10	72-11	72-10
12	72-03	72-01	72-19	71-27	72-11	
15	71-11	71-13	71-25	71-09	71-16	71-15
16	71-19		71-31	71-12	71-25	
17	71-31	71-30	72-06	71-01	71-03	71-04
18	71-06		71-20	70-29	71-17	
19	71-24		72-09	71-16	71-16	
22	70-09	70-00	70-21	69-20	69-21	69-24
23	69-11	69-20	69-23	69-04	69-14	
24	69-28		70-06	69-21	69-26	
25	69-28		69-30	69-04	69-11	69-13
26	68-12	68-07	68-30	68-07	68-22	68-23
29	68-08	68-10	68-26	68-04L	68-21	
30	68-23	68-24	70-02	68-23	70-01	70-02

June 1981

Open		High	Low	Close	
71-20		73-10	71-20	72-12	
73-02		73-15h	72-23	73-00b	
73-05		73-10	72-25	72-31	
73-08		73-08	72-12	72-24	
72-11		72-14	71-30	72-01	
72-05	72-04	72-27	71-30	72-26	
72-19		73-13	72-19	72-30	
72-20	72-19	72-25	72-15	72-15a	
72-01		72-21	71-31	72-12	
71-13		71-27	71-13	71-23	
71-30		72-03	71-15	71-29	
72-05		72-09	71-05	71-05	71-08
71-04		71-25	71-03	71-18	
71-28		72-10	71-19	71-19a	
70-12		70-24	69-22	69-22	
69-25		69-25	69-10	69-18	
69-28		70-08	69-26	70-00	
69-26		69-31	69-08	69-15	
68-15		69-04	68-15	68-27	
68-16		68-26	68-11L	68-26	
68-28		70-03	68-28	70-03	70-01

September 1981

Open	High	Low	Close
71-22	73-02	71-22	72-12
73-04	73-15h	72-29	73-00
73-05	73-05	72-26	73-01
73-05	73-08	72-18	72-25
72-09	72-09	72-01	72-05
72-05	72-31	72-01	72-31b
73-00	73-12	72-25	73-03
72-22	72-22	72-14	72-14
72-04	72-18	72-01	72-12
71-14	71-26	71-14	71-23
71-27	72-02	71-27	72-02
72-08	72-10	71-11	71-11
71-09	71-25	71-07	71-22
72-00	72-12	71-23	71-23a
70-19	70-24	69-27	69-27
69-22	69-27	69-13	69-22
70-01	70-10	69-30	70-02
69-28	70-01	69-14	69-16
68-17	69-04	68-17	69-00
68-18	69-00	68-16L	69-00
69-07	70-07	69-07	70-07

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

December 1981

Sep	Open		High	Low	Close
1	HOLIDAY				
2	71-24		73-00	71-24	72-12
3	73-00		73-13h	72-28	73-00
4	73-04		73-09	72-27	73-03
5	72-23		72-23	72-18	72-23
8	72-15		72-15	72-00	72-04
9	72-05		72-30	72-02	72-30b
10	72-27		73-12	72-25	73-02
11	72-23		72-23	72-17	72-17a
12	72-06		72-18	71-26	72-11
15	71-14		71-27	71-14	71-25
16	71-29		72-05	71-29	72-03
17	72-10		72-12	71-12	71-12a
18	71-10		71-25	71-10	71-20
19	72-01		72-16	71-24	71-24a
22	70-23	70-24	70-24	69-26	69-26
23	69-23		69-30	69-21	69-21
24	70-11		70-11	70-05	70-08
25	69-31		69-31	69-17	69-17
26	68-19		69-05	68-19	69-00
29	68-20		69-07	68-17L	69-01
30	69-15		70-09	69-15	70-09

March 1982

Open	High	Low	Close
71-24	73-00	71-24	72-16
73-00	73-14h	72-31	72-31
73-06	73-06	72-29	73-01
72-28	73-08	72-17	72-21
72-09	72-09	72-03	72-05
72-04	72-31	72-02	72-31
72-26	73-10	72-24	73-02
72-17	72-18	72-16	72-16a
72-04	72-15	71-26	72-10
71-14	71-26	71-14	71-24
71-25	72-04	71-22	72-04
72-11	72-13	71-12	71-12a
71-09	71-24	71-09	71-20
72-01	72-13	71-24	71-24a
70-21	70-23	70-01	70-01
69-25	69-27	69-23	69-26
70-10	70-13	70-04	70-04
70-01	70-01	69-18	69-18
68-21	69-08	68-21L	69-08
68-27	69-08	68-22	69-04
69-19	70-10	69-19	70-10b

June 1982

Open	High	Low	Close
71-24	72-30	71-24	72-09
72-31	73-10h	72-30	72-30
72-30	73-00	72-30	73-00
72-29	73-07	72-16	72-19
72-09	72-09	72-00	72-00
72-05	72-28	72-01	72-28b
72-20	73-08	72-20	73-02
72-18	72-18	72-12	72-12a
71-30	72-12	71-30	72-09
71-14	71-27	71-14	71-23
71-31	72-02	71-30	72-02
72-10	72-10	71-12	71-12a
71-12	71-24	71-12	71-20
72-01	72-13	71-24	71-24a
70-16	70-27	69-30	69-30
69-25	69-28	69-20	69-27
70-14	70-14	70-09	70-10
69-31	70-01	69-15	69-21
68-25	69-11	68-25L	69-11
68-25	69-12	68-25	69-11
69-23	70-16	69-23	70-16

September 1982

Sep	Open		High	Low	Close
1	HOLIDAY				
2	71-22		72-29	71-22	72-06
3	72-27		73-10h	72-27	72-28
4	72-29		73-00	72-25	72-30
5	72-25		73-06	72-15	72-17
8	72-02		72-07	72-01	72-01b
9	72-01		72-27	72-00	72-27b
10	72-25		73-07	72-22	73-01
11	72-15		72-15	72-08	72-08a
12	71-28		72-10	71-25	72-07
15	71-13		71-27	71-13	71-23
16	71-26		72-01	71-26	72-01
17	72-10		72-12	71-12	71-12a
18	71-12		71-24	71-12	71-20
19	71-30		72-13	71-24	71-24a
22	70-24		70-24	69-31	69-31a
23	69-25		69-27	69-22	69-27
24	70-15		70-15	70-09	70-10
25	70-00		70-00	69-19	69-23
26	68-25		69-15	68-25L	69-15
29	69-00		69-14	68-27	69-14
30	70-00		70-17	70-00	70-17b

December 1982

Open	High	Low	Close
71-20	72-28	71-20	72-13
72-30	73-06h	72-28	72-28
72-27	72-28	72-27	72-28
72-27	73-05	72-14	72-15
72-01	72-01	72-01	72-01
72-02	72-26	72-01	72-26b
72-24	73-06	72-21	73-00
72-14	72-14	72-08	72-08a
72-00	72-08	71-28	72-06
71-12	71-27	71-12	71-20
72-01	72-01	71-30	72-00
72-09	72-12	71-12	71-12a
71-16	71-24	71-16	71-20
71-30	72-13	71-24	71-24a
70-24	70-24	70-01	70-01a
69-25	69-27	69-22	69-27
70-16	70-16	70-10	70-10
70-01	70-01	69-20	69-23
68-26	69-16	68-26L	69-16
69-03	69-22	68-29	69-18a
70-01	70-20	70-01	70-20b

March 1983

Open	High	Low	Close
72-00	72-02	72-00	72-02
72-24	73-08h	72-24	72-28
72-27	72-27	72-27	72-27
72-27	73-04	72-14	72-14
72-00	72-01	72-00	72-00
72-00	73-01	71-31	73-01
72-23	73-04	72-21	72-25
72-11	72-11	72-00	72-00
71-29	72-07	71-29	72-05
71-20	71-20	71-20	71-20
72-01	72-01	72-00	72-00
72-10	72-11	71-12	71-12a
71-16	71-24	71-16	71-20
71-30	72-13	71-24	71-24a
70-19	70-20	70-01	70-01
69-26	69-27	69-21	69-27
70-17	70-17	70-12	70-12
70-02	70-02	69-21	69-25
68-27	69-17	68-27L	69-17
69-06	69-22	69-00	69-22
70-07	70-23	70-07	70-23b

June 1983

Sep	Open	High	Low	Close
1	HOLIDAY			
2				
3				
4				
5				
8				
9				
10				
11				
12				
15				
16				
17				
18				
19				
22	70-08	70-08	70-01	70-01a
23				70-00n
24	70-16	70-16	70-12	70-12a
25	70-03	70-03	69-22	69-26
26	68-28	69-17	68-28L	69-17
29	69-09	69-26	69-04	69-26
30	70-12	70-25h	70-12	70-25b

h = high L = low a = asked b = bid n = nominal

GNMA Volume Of Sales

Reported in Contracts

Sep	1980 Sep	1980 Oct	1980 Nov	1980 Dec	1981 Jan	1981 Feb	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	Total
1	HOLIDAY																
2	761			5,144			892	236	263	150	300	235	155	125	3L		8,264
3	868h			4,372			687	269	113	36	145	256	290	109	39		7,184
4	352			3,274			522	118	74	134	123	112	234	132	26		5,101
5	236			4,526			1,029	143	51	10L	41	77	186	88	120		6,507
8	296			2,586			654	127	37L	70	51	147	145	9	44		4,166
9	251			2,666			687	54L	89	115	294	325	304	20	10		4,815
10	266	1L	1h	3,369	1h	1h	874	458	554	485	164	153	114	43	41		6,525
11	182			2,221L			419L	78	48	51	15L	37	25L	26	5		3,107L
12	103			3,304			454	141	85	331	573	207	160	6L	12		5,376
15	192	1	1	3,245	1	1	871	306	93	166	245	1,329	1,415h	144	34		8,044
16	96			3,212			704	73	82	75	289	275	61	24	15		4,906
17	75			3,917			913	236	307	207	123	18L	66	35	46		5,943
18	51L			3,220			712	159	93	229	238	248	209	175	61		5,395
19	125			3,329			967	276	99	244	369	279	331	200	25		6,244
22				5,394h			1,564h	1,039h	721h	358	24	164	1,198	1,035h	62	1L	11,560h
23				3,806			958	313	187	257	271	216	281	173	71		6,533
24				2,589			631	172	186	68	159	195	342	354	27	5	4,728
25				2,453			747	257	106	420	810	520	531	133	82	6h	6,065
26		2h		3,047			1,398	418	87	349	463	854	1,005	280	19	2	7,924
29				3,282			1,308	301	312	565h	288	374	248	239	110	3	7,030
30				3,870			929	305	95	109	1,288h	1,370h	294	124	137h	1	8,522
Total	3,854	4	2	72,826	2	2	17,920	5,479	3,682	4,429	6,273	7,391	7,594	3,474	989	18	133,939

GNMA Open Contracts

Reported in Contracts

Sep	1980 Sep	1980 Oct	1980 Nov	1980 Dec	1981 Jan	1981 Feb	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	Total
1	HOLIDAY																
2	2,597h			8,499			6,857	5,771L	6,365	5,874	7,867	7,239	6,881L	3,367L	1,719L		63,036
3	1,559			8,652			6,856	5,847	6,350	5,892	7,864	7,316	6,944	3,388	1,745		62,413
4	1,397			8,708			6,761L	5,875	6,383h	5,868	7,849	7,350	7,099	3,423	1,739		62,452
5	972			8,687			6,945	5,851	6,363	5,872	7,864	7,369	7,172	3,473	1,841		62,329
8	757			8,500			7,088	5,841	6,364	5,893	7,861	7,437	7,056	3,476	1,847		62,120L
9	798			8,610			7,160	5,790	6,328	5,837L	7,846	7,432	7,150	3,468	1,849		62,268
10	671	1L	1h	8,744h	1h	1h	7,332	5,815	6,337	6,025	7,884	7,474	7,113	3,471	1,855		62,725
11	602	1	1	8,655	1	1	7,431	5,828	6,311	6,025	7,885	7,441	7,125	3,464	1,860		62,631
12	540	1	1	8,657	1	1	7,303	5,817	6,330	6,049	7,766L	7,332	7,206	3,463	1,849		62,316
15	555			8,578			7,389	5,907	6,328	6,107h	7,825	6,959	8,134	3,588	1,866		63,236
16	312			8,618			7,467	5,910	6,310	6,037	7,848	6,968	8,102	3,580	1,877		63,029
17	177			8,458			7,505	5,957	6,271	5,994	7,901	6,958L	8,130	3,571	1,883h		62,805
18	170			8,330			7,446	6,027	6,305	6,042	7,859	7,027	8,226	3,668	1,841		62,941
19	133			8,263			7,372	6,085	6,371	6,045	7,681	7,060	8,340	3,777	1,840		63,167
22	130			8,138			7,308	6,219	6,024	5,993	7,895	7,161	9,181	4,700h	1,878	1L	64,628
23	16			8,091			7,349	6,293	6,037	6,052	7,979	7,125	9,309	4,689	1,867	1	64,808
24	6L			8,079L			7,319	6,280	5,967	5,989	7,932	7,220	9,242	4,474	1,877	6	64,391
25				8,166			7,343	6,346	5,903L	5,979	8,075	7,523	9,386	4,548	1,867	7	65,143
26		2h		8,390			7,481	6,440	5,921	6,034	8,064	7,769	9,361	4,646	1,850	8	65,966
29		2		8,421			7,678	6,399	5,963	6,050	8,121h	7,855	9,474h	4,599	1,835	10h	66,407
30		2		8,405			7,717h	6,503h	5,929	6,013	8,042	8,711h	9,307	4,603	1,835	9	67,076h

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

October 1980

Oct	Open	High	Low	Close
1				70-01n
2				69-30n
3				71-25n
6				71-22n
7				71-23n
8				71-17n
9				73-00n
10				72-21n
13				72-18n
14				73-05n
15				73-08n
16				72-03n
17				70-28n
20				71-03n
21				70-28n
22				70-23n
23				
24				
27				
28				
29				
30				
31				

November 1980

Oct	Open	High	Low	Close
1				
2				69-30n
3				69-28n
6				71-23n
7				71-20n
8				71-21n
9				71-14n
10				72-29n
13				72-18n
14				72-15n
15				73-02n
16				73-05n
17				72-00n
20				70-25n
21				71-01n
22				70-25n
23				70-04n
24				70-08n
27				70-19n
28				68-20n
29				68-08n
30				67-23n
31				67-22n
				68-01n

December 1980

Oct	Open	High	Low	Close
1	70-05	70-10	70-20	69-24	69-29	69-26
2	69-25	69-26	69-31	69-11	69-24	69-27
3	70-04	70-15	71-26	70-04	71-22	71-19
6	72-02	72-10	72-16	71-01	71-21	71-18
7	71-30	71-24	72-00	71-10	71-18	71-20
8	71-07	71-05	71-16	70-26	71-12	71-10
9	71-20	71-23	72-26	71-20	72-20	72-26
10	72-26	72-19	72-26	72-10	72-15	72-12
13	72-04	72-03	72-18	72-02	72-15	72-10
14	72-15		73-10	72-15	73-00	72-30
15	73-05	73-10	73-12	73-0	73-02	73-00
16	73-12	73-20	73-20h	7[illegible]-27	72-00	71-27
17	71-22	71-24	71-24	70-07	70-22	70-24
20	70-20	70-18	71-05	70-15	70-29	70-31
21	71-05	71-04	71-18	70-21	70-21	70-23
22	70-06	70-12	70-26	69-30	70-02	70-01
23	70-00	70-05	70-14	69-27	70-04	70-07
24	70-10	69-28	70-21	69-26	70-20	70-15
27	69-28	69-12	69-28	68-17	68-17a	
28	68-06	68-10	68-16	67-15	68-06	68-05
29	68-00	68-01	68-15	67-19	67-19	67-22
30	67-08	67-10	67-28	67-05L	67-20	67-19
31	67-28	68-01	68-14	67-23	67-27	67-31

January 1981

Oct	Open	High	Low	Close
1				69-30n
2				69-26n
3				71-20n
6				71-18n
7				71-19n
8				71-10n
9				72-24n
10				72-14n
13				72-11n
14				72-28n
15				72-31n
16				71-28n
17				70-22n
20				70-31n
21				70-20n
22				70-01n
23				70-05n
24				70-16n
27				68-17n
28				68-05n
29				67-19n
30				67-18n
31				67-28n

February 1981

Oct	Open	High	Low	Close
1				
2				69-30n
3				69-26n
6				71-21n
7				71-18n
8				71-18n
9				71-09n
10				72-23n
13				72-13n
14				72-10n
15				72-27n
16				72-30n
17				71-27n
20				70-22n
21				70-31n
22				70-20n
23				70-01n
24				70-05n
27				70-16n
28				68-17n
29				68-05n
30				67-19n
31				67-16n
				67-27n

March 1981

Oct	Open	High	Low	Close
1	70-08	70-10	70-21	69-26	69-31	69-29
2	69-25	69-27	70-00	69-12	69-26	69-27
3	70-11	70-14	71-25	70-11	71-22	71-18
6	72-04	72-08	72-15	70-31	71-19	71-17
7	71-30	71-29	72-00	71-10	71-18	71-16
8	71-06		71-14	70-25	71-11	71-09
9	71-21	71-20	72-24	71-19	72-17	72-24
10	72-16		72-23	72-07	72-13	72-11
13	72-03	72-00	72-15	72-00	72-10	
14	72-12		73-06	72-12	72-26	72-25
15	73-05	73-04	73-06	72-16	72-30	72-28
16	73-17	73-16	73-17h	71-24	71-28	71-26
17	71-20	71-21	71-21	70-07	70-21	70-22
20	70-21	70-18	71-06	70-15	70-31	71-01
21	71-05		71-17	70-22	70-22	
22	70-12	70-10	70-28	69-28	70-02	70-00
23	70-04	70-05	70-12	69-26	70-04	70-06
24	70-03	70-05	70-22	69-28	70-19	70-15
27	69-22	69-13	69-22	68-17	68-17a	
28	68-04	68-10	68-16	67-16	68-06	68-05
29	68-00	68-02	68-14	67-18	67-18	67-20
30	67-10	67-05	67-23	67-01L	67-14	
31	67-26	67-31	68-10	67-20	67-24	67-27

June 1981

Oct	Open		High	Low	Close	
1	70-13		70-26	69-30	70-03	
2	70-00		70-00	69-17	70-00	
3	70-22		72-00	70-22	71-25	71-18
6	72-07		72-17	71-05	71-19	
7	71-28		71-30	71-12	71-17	
8	71-05		71-15	70-26	71-10	
9	71-25		72-16	71-20	72-16	
10	72-08		72-20	72-05	72-10	
13	71-30		72-11	71-30	72-10	
14	72-09		73-02	72-09	72-25	
15	72-31		73-01	72-12	72-27	
16	73-12	73-11	73-12h	71-22	71-22	
17	71-18		71-18	70-08	70-22	
20	70-15		71-03	70-15	70-31	
21	71-15		71-17	70-20	70-20	
22	70-11	70-12	70-25	69-31	70-02	
23	70-11		70-11	69-30	70-04	70-07
24	69-28	69-30	70-20	69-28	70-16	
27	69-13		69-14	68-18	68-18a	
28	68-13		68-23	67-24	68-09	
29	68-10		68-18	67-22	67-22	
30	67-06	67-08	67-30	67-06L	67-18	67-16
31	68-02		68-12	67-24	67-29	68-00

September 1981

Oct	Open	High	Low	Close
1	70-16	70-26	70-05	70-05
2	70-05	70-08	69-25	70-04
3	71-04	71-25	71-04	71-23
6	72-03	72-15	71-08	71-24
7	71-23	71-25	71-12	71-17
8	71-08	71-10	70-28	71-04
9	71-22	72-10	71-20	72-10b
10	72-06	72-18	72-04	72-09
13	71-30	72-08	71-30	72-08
14	72-10	73-00	72-10	72-23
15	72-30	72-30	72-13	72-23
16	73-01	73-01h	71-21	71-21
17	71-18	71-18	70-17	70-18
20	70-20	71-04	70-18	71-00
21	71-11	71-17	70-25	70-25
22	70-11	70-23	70-01	70-01a
23	70-10	70-10	69-31	70-02
24	70-06	70-18	70-03	70-18b
27	69-13	69-15	68-18	68-18a
28	68-12	68-19	67-31	68-19
29	68-14	68-19	67-28	67-28
30	67-15	68-00	67-15L	67-24
31	67-31	[illegible]-18	67-31	68-04

December 1981

Oct	Open	High	Low	Close
1	70-18	70-29	70-08	70-14
2	70-03	70-07	69-28	70-06
3	71-01	71-28	71-01	71-28
6	72-12	72-15	71-09	71-16
7	71-25	71-25	71-10	71-15
8	71-05	71-09	70-31	71-04
9	71-24	72-10	71-20	72-10
10	72-05	72-12	72-05	72-07
13	71-28	72-06	71-27	72-04
14	72-21	72-24	72-16	72-16
15	72-24	72-24	72-09	72-19
16	72-26	72-26h	71-19	72-19a
17	71-04	71-05	70-05	70-16
20	70-25	71-01	70-25	0-30b
21	71-12	71-13	70-27	70-27
22	70-12	70-23	70-00	70-00
23	70-06	70-08	69-30	70-01
24	70-06	70-18	70-04	70-18b
27	69-15	69-15	68-18	68-18a
28	68-16	68-30	67-31	68-30
29	68-22	68-22	68-02	68-02
30	67-19	68-03	67-19L	67-26
31	68-02	68-12	67-30	68-06

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices
Open, High, Low and Close
Points and 32nds at Par

	March 1982				June 1982				September 1982			
Oct	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
1	70-22	70-30	70-11	70-11	70-24	71-00	70-13	70-13	70-27	71-02	70-15	70-15
2	70-04	70-10	70-01	70-10	70-07	70-12	70-04	70-12	70-09	70-16	70-08	70-15
3	71-00	71-26	71-00	71-26	72-08	72-08	71-16	71-26	71-16	71-30	71-16	71-28
6	72-11	72-14	71-10	71-14	72-08	72-11	71-08	71-14	72-09	72-10	71-10	71-14
7	71-25	71-25	71-10	71-14	71-24	71-24	71-10	71-15	71-24	71-24	71-10	71-11
8	71-04	71-09	70-31	71-02	71-04	71-06	70-31	71-01	71-01	71-05	70-31	71-00
9	71-23	72-07	71-19	72-07	71-27	72-00	71-18	72-00b	71-15	71-30	71-15	71-30b
10	72-00	72-09	72-00	72-05	72-04	72-06	72-03	72-03	72-02	72-03	72-01	72-01
13	71-26	72-03	71-26	72-02	71-25	72-01	71-24	72-00	71-22	71-30	71-22	71-30
14	72-20	72-20	72-12	72-12a	72-17	72-17	72-09	72-09a	72-14	72-14	72-05	72-05a
15	72-25	72-25h	72-14	72-15	72-14	72-14	72-11	72-11	72-18	72-18h	72-08	72-08
16	72-22	72-22	71-18	71-18a	72-18	72-18h	71-18	71-18a	72-14	72-14	71-17	71-17a
17	71-07	71-07	70-12	70-20	71-10	71-10	70-12	70-15	71-07	71-07	70-12	70-12
20	70-17	71-03	70-17	70-26	70-15	70-28	70-15	70-26	70-19	70-27	70-19	70-23
21	71-09	71-11	70-20	70-23	71-14	71-14	70-24	70-24a	71-12	71-12	70-22	70-22
22	70-14	70-22	70-01	70-01	70-10	70-20	70-01	70-01	70-08	70-17	69-29	69-29a
23	70-00	70-09	69-29	70-00	70-08	70-08	69-28	70-02	70-06	70-06	69-26	70-01
24	70-08	70-18	70-04	70-18b	70-04	70-15	70-04	70-15b	70-03	70-14	70-02	70-14b
27	69-25	69-25	68-17	68-20a	69-25	69-25	68-16	68-16a	69-15	69-15	68-15	68-21
28	68-15	68-25	68-08	68-25	68-10	68-27	68-10	68-24	68-12	68-29	68-12	68-25
29	68-24	68-24	68-04	68-04	68-25	68-25	68-04	68-04	68-26	68-26	68-04	68-04
30	67-23	68-06	67-20L	67-26	67-23	68-05	67-23L	67-26	67-25	68-06	67-22L	67-28
31	68-04	68-16	68-03	68-10	68-05	68-12	68-03	68-11	68-06	68-10	68-04	68-10

	December 1982				March 1983				June 1983			
Oct	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
1	70-29	71-04	70-14	70-14	70-31	71-06	70-16	70-16				70-17n
2	70-12	70-17	70-12	70-17	70-15	70-19	70-15	70-19b	70-18	70-21	70-18	70-21b
3	71-19	72-00	71-19	71-30	71-22	72-02	71-22	72-00	71-25	72-04	71-25	72-03
6	72-10	72-10	71-10	71-15	72-11	72-11h	71-10	71-14	72-12	72-12h	71-10	71-13
7	71-23	71-26	71-10	71-10	71-22	71-22	71-10	71-10	71-21	71-21	71-10	71-10
8	71-00	71-04	70-31	70-31	70-31	71-03	70-31	71-00	70-30	71-02	70-30	70-31
9	71-14	71-27	71-14	71-27b	71-13	71-26	71-13	71-26b	71-12	71-24	71-12	71-24b
10	72-00	72-00	71-31	71-31	72-00	72-00	72-00	72-00				71-25n
13	71-25	71-28	71-25	71-28				71-22n				71-15n
14	72-09	72-10	72-01	72-01a	72-06	72-06	71-30	71-30a	72-03	72-03	71-26	71-26a
15	72-14	72-14h	72-00	72-00	72-05	72-05	72-00	72-00	71-28	71-29	71-28	71-29
16	72-10	72-10	71-16	71-16a	72-06	72-06	71-14	71-14a	72-02	72-03	71-12	71-12a
17	71-04	71-04	70-12	70-12				70-13n				70-11n
20	70-17	70-21	70-17	70-21	70-15	70-18	70-15	70-18				70-22n
21	71-10	71-10	70-20	70-20a	71-08	71-08	70-18	70-18				70-16n
22	70-06	70-15	69-28	69-28a	70-04	70-13	69-27	69-27a				69-24n
23	70-04	70-04	69-24	69-28	70-00	70-00	69-22	69-25	69-30	69-30	69-20	69-27
24	70-02	70-12	70-01	70-12b	70-01	70-10	70-01	70-10b	70-00	70-15	70-00	70-09b
27	69-14	69-14	68-15	68-15	69-13	69-13	68-15	68-22	69-12	69-12	68-20	68-20
28	68-12	69-00	68-12	69-00	68-12	69-00	68-12	69-00	68-16	69-00	68-16	69-00b
29	68-27	68-27	68-07	68-07	68-28	68-28	68-08	68-08	68-25	68-25	68-10	68-10
30	67-30	68-06	67-25L	67-28	67-31	68-08	67-28L	67-28	68-00	68-14	67-29L	67-29
31	68-07	68-15	68-07	68-15	68-08	68-18	68-02	68-12	68-09	68-10	68-09	68-10

h = high L = low a = asked b = bid n = nominal

GNMA Volume of Sales

Reported in Contracts

Oct	1980 Oct	1980 Nov	1980 Dec	1981 Jan	1981 Feb	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	Total
1			5,475			1,751	375	420	251	389	403	185	197	23		9,469
2			3,088			746	244	414	219	1,101	293	824	108	17	1L	7,055
3			4,708			1,835	367	134	168	658	153	554	92	26	1	8,696
6			5,671			1,905	642	989	811	436	734	585	65	12	1	11,851
7			3,187			891	214	379	529	231	288	331	65	43	1	6,089
8			3,546			1,190	347	312	86	292	115	287	36L	176	1	6,388
9			3,326			919	335	434	220	528	197	300	288	133	16	6,696
10			3,024			989	342	364	42	478	219	508	468	1L		6,435
13			617L			297L	143	31L	89	81L	69	116	44			1,487L
14			3,924			1,626	470	810	173	582	226	186	166	92	1	8,256
15			4,611			864	136	66	35L	360	121	384	171	104	160	7,012
16			4,017			1,750	208	579	158	1,225	320	680	38	3	7	8,985
17			4,189			2,120	360	404	52	205	300	331	61			8,022
20			3,165			1,212	122L	92	99	113	19L	59L	48	1		4,930
21			3,068			1,225	226	312	141	259	449	96	474	1		6,251
22			4,195			2,177	965	402	845	603	722	875	397	45		11,226
23			4,666			1,021	332	452	362	698	590	215	122	30	2	8,490
24			3,217			726	145	249	121	287	1,235	1,122	227	155	30	7,514
27			3,904			1,876	327	1,025	336	815	1,529	1,733	1,767h	216	565h	14,091
28			7,048h			2,151	1,442	761	1,632h	3,074h	1,971	2,408h	1,129	301h	496	22,413h
29			3,536			2,078	1,732h	1,071h	429	559	454	532	257	8	5	10,661
30			3,981			1,643	881	652	355	1,636	2,087h	1,422	270	17	3	12,947
31			3,695			2,208h	574	82	798	980	775	533	225	116	5	9,991
Total			89,858			33,130	10,929	10,434	7,951	15,588	13,269	14,266	6,715	1,520	1,295	204,955

GNMA Open Contracts

Reported in Contracts

Oct	1980 Oct	1980 Nov	1980 Dec	1981 Jan	1981 Feb	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	Total
1	2h		8,324	502h		7,794L	6,436	5,991	6,105	8,031L	8,681	9,356L	4,599L	1,838L	9	67,668L
2	2		8,550			8,000	6,526	5,946	6,035	8,674	8,658	9,553	4,658	1,844	5	68,451
3	2		8,937h			7,914	6,435	5,987	6,022L	9,074	8,647	9,783	4,642	1,855	7	69,305
6	2		8,675			8,110	6,422	6,037	6,347	9,117	8,411	9,926	4,657	1,851	6	69,561
7	2		8,581			8,114	6,402	6,041	6,584	9,214	8,283L	10,057	4,702	1,872	5	69,857
8	2		8,347			7,905	6,465	5,985	6,551	9,214	8,303	10,159	4,698	1,889	4L	69,522
9	2		8,383			7,957	6,405	5,879	6,635	9,143	8,381	10,188	4,720	1,883	17	69,593
10	2		8,162			7,913	6,365	5,995	6,626	8,695	8,380	10,428	4,925	1,884	17	69,392
13	2		8,305			7,852	6,461	5,845L	6,654	8,755	8,384	10,381	4,925	1,884	17	69,465
14	2		8,333			7,815	6,352	6,057	6,721	8,822	8,381	10,361	4,951	1,919	17	70,031
15	2		8,723			7,984	6,356	5,996	6,752	8,876	8,431	10,625	5,042	1,907	176	70,870
16	2		8,630			8,117	6,313L	6,135	6,776	8,885	8,619	11,030	5,059	1,910	181	71,657
17			8,519			8,262	6,455	6,186	6,784	8,576	8,670	11,063	5,078	1,910	181	71,684
20			8,437			8,219	6,371	6,193	6,762	8,513	8,655	11,042	5,030	1,911	181	71,314
21			8,473			8,185	6,429	6,306	6,743	8,677	8,643	10,986	5,046	1,912	181	71,581
22			8,309			8,523	6,510	6,274	6,862	8,741	9,022	11,200	5,137	1,910	181	72,669
23			8,039			8,505	6,574	6,347	6,815	8,816	9,213	11,249	5,172	1,908	181	72,819
24			8,135			8,640	6,590	6,374	6,788	8,875	9,[illegible]7	11,682	5,279	2,054	193	74,207
27			7,578L			8,712	6,547	6,914	6,831	9,354	10,694	11,791	5,557	2,091	542h	76,611
28			8,545			9,009	7,270	7,246	6,806	10,281	10,627	12,022	5,294	2,062	173	79,335
29			8,421			9,108	7,407	7,545	6,829	10,197	10,791	11,998	5,434	2,062	173	79,965
30			8,371			9,089	7,458	7,886h	6,863	10,337	11,653	12,305	5,568	2,061	175	81,766
31			8,368			9,228h	7,465h	7,874	7,399h	10,381h	12,023h	12,433h	5,690h	2,154h	176	83,191h

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

November 1980

Nov	Open	High	Low	Close
3				68-11n
4	HOLIDAY			
5				67-05n
6				66-17n
7				68-02n
10				67-19n
11				69-19n
12				69-13n
13				69-14n
14				68-16n
17				67-26n
18				69-05n
19				
20				
21				
24				
25				
26				
27	HOLIDAY			
28				

December 1980

Open		High	Low	Close	
67-24	67-18	68-09	67-14	68-07	68-09
69-24	70-08	70-08	67-02	67-02	
66-16	66-20	67-00	66-09	66-17	66-14
65-25	66-16	68-14	65-25L	68-00	
67-02	67-16	68-31	67-02	67-15	67-14
68-14		69-16	68-09	69-16b	
69-16	69-20	69-25	69-02	69-09	69-10
69-00	69-02	70-00	69-00	69-13	69-11
69-09	69-06	69-09	68-07	68-15	68-16
68-05	67-26	68-05	67-20	67-21	67-24
67-28	68-00	69-19	67-28	69-03	68-31
69-29	69-18	70-14h	68-22	69-18	69-15
69-00	69-10	69-20	69-00	69-11	69-17
68-23	68-21	68-28	68-10	68-23	68-20
68-28	68-26	69-01	68-03	68-29	68-31
69-10	69-18	69-24	68-22	68-22	68-23
68-20	68-21	69-06	68-15	69-03	
69-03		69-03	68-11	68-13	

January 1981

Open	High	Low	Close
			68-06n
			67-02n
			66-10n
			67-31n
			67-13n
			69-13n
			69-08n
			69-10n
			68-11n
			67-20n
			69-00n
			69-15n
			69-15n
			68-24n
			69-00n
			68-23n
			69-10n
			68-18n

February 1981

Nov	Open	High	Low	Close
3				68-05n
4	HOLIDAY			
5				67-02n
6				66-10n
7				67-30n
10				67-11n
11				69-11n
12				69-06n
13				69-08n
14				68-10n
17				67-18n
18				68-31n
19				69-15n
20				69-15n
21				68-23n
24				69-01n
25				68-24n
26				69-15n
27	HOLIDAY			
28				68-23n

March 1981

Open		High	Low	Close	
67-18	67-20	68-05	67-12	68-05	68-03
70-04	70-04b	70-04	67-02	67-02	
66-19	66-16	66-27	66-04	66-12	66-09
65-25	66-02	68-10	65-25L	67-28	67-30
67-06	67-16	67-27	67-03	67-09	
68-10	68-12	69-09	68-06	69-09b	
69-10	69-18	69-20	68-27	69-02	69-04
68-30	69-00	69-26	68-28	69-08	69-07
69-04	69-02	69-05	68-02	68-10	68-09
68-00	67-10	68-00	67-10	67-18	67-14
67-20		69-15	67-20	68-30	
69-14	69-16	70-15h	68-21	69-18	69-12
69-04	69-12	69-20	69-01	69-12	69-17
68-31	68-23	68-31	68-08	68-20	68-22
68-26	68-22	69-04	68-04	69-00	69-03
69-14	69-23	69-28	68-24	68-24	68-26
68-28	68-24	69-22	68-20	69-21	69-19
69-17	69-12	69-17	68-26	68-27	68-29

June 1981

Open		High	Low	Close	
67-21		68-09	67-18	68-07	68-08
70-09		70-09	67-13	67-14	67-13
66-31		67-00	66-13L	66-18	66-17
66-18	66-20	68-16	66-18	68-04	
67-15		68-00	67-10	67-13	
68-10	68-14	69-13	68-10	69-13b	
69-08		69-22	68-31	69-09	
69-05		69-30	69-03	69-12	
69-04		69-04	68-07	68-13	
67-30		68-08	67-20	67-22	
67-30		69-20	67-30	69-06	
69-18		70-20h	68-31	69-29	
69-13		69-30	69-10	69-30	
69-05	69-06	69-07	68-22	68-30	
69-08		69-17	68-18	69-14b	
70-00		70-09	69-04	69-04	
69-02		70-00	68-30	69-29	
69-22		69-27	69-06	69-06	

September 1981

Nov	Open		High	Low	Close
3	67-21		68-12	67-21	68-12
4	HOLIDAY				
5	70-13		70-13	67-24	67-24
6	67-04		67-04	66-18L	66-24
7	66-22		68-15	66-22	68-15
10	67-25		68-02	67-12	67-17
11	68-16		69-15	68-16	69-15b
12	69-07		69-15	68-30	69-04
13	69-04		69-25	69-04	69-10
14	69-04		69-04	68-10	68-10
17	68-00	67-31	68-12	67-23	67-26
18	69-08		69-15	68-24	69-10
19	69-20		70-18h	69-03	69-27
20	69-22		70-01	69-15	69-26
21	69-06		69-12	69-00	69-12
24	69-11		69-24	68-24	69-20
25	70-12		70-12	69-14	69-14
26	69-11		70-04	69-05	70-02
27	HOLIDAY				
28	69-28		69-28	69-12	69-14

December 1981

Open		High	Low	Close
67-25		68-14	67-25	68-14
70-15		70-15	67-27	67-27a
67-10		67-10	66-24L	66-28
66-26		68-25	66-24	68-18
67-25	67-24	68-03	67-14	67-14
68-21		69-16	68-21	69-16b
69-12		69-18	68-30	69-02
69-07		69-22	69-03	69-08
69-02		69-02	68-10	68-12
67-30		68-07	67-26	67-26
68-09		69-17	68-29	69-14
69-23		70-10	69-06	70-00
69-23		70-01	69-14	70-01b
69-07		69-10	69-00	69-10
69-13		69-28	69-03	69-28
70-19		70-24h	69-08	69-08
69-09		69-29	69-08	69-29
69-26		69-30	69-17	69-18

March 1982

Open	High	Low	Close	
67-30	68-14	67-27	68-14	
70-17	70-17	67-31	67-31a	
67-10	67-10	66-26L	66-30	
66-28	68-26	66-28	68-26	
67-21	68-00	67-13	67-13	
68-30	69-15	68-23	69-15b	
69-11	69-16	68-30	69-01	
69-05	69-19	69-02	69-05	
69-00	69-00	68-09	68-12	
67-27	68-08	67-25	67-28	
68-30	69-20	68-30	69-13	
69-19	70-16	69-06	69-28a	
69-20	70-01	69-17	70-01b	
69-10	69-12	69-01	69-10	
69-06	70-00	69-01	69-30	
70-15	70-23h	69-11	69-15	69-11
69-13	70-04	69-10	70-04	
69-31	70-00	69-16	69-21	

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices
Open, High, Low and Close
Points and 32nds at Par

Nov	June 1982 Open	High	Low	Close	September 1982 Open	High	Low	Close		December 1982 Open	High	Low	Close
3	67-31	68-16	67-31	68-16	67-29	68-16	67-29	68-16		67-29	68-16	67-29	68-16
4	HOLIDAY												
5	70-18	70-18	68-02	68-02a	70-19	70-19h	68-05	68-05a		70-20	70-20h	68-07	68-07
6	67-13	67-13	66-30L	67-00	67-14	67-14	66-26L	66-27		67-15	67-15	67-01L	67-01
7	66-30	68-24	66-30	68-18	66-31	68-24	66-31	68-24		67-05	68-20	67-05	68-20
10	67-20	67-31	67-11	67-11	67-19	67-31	67-14	67-14		67-22	67-28	67-14	67-14
11	68-26	69-14	68-26	69-14b	68-24	69-12	68-21	69-12b		68-22	69-10	68-22	69-10b
12	69-14	69-14	68-30	68-30	69-08	69-08	68-24	68-26		69-06	69-06	68-21	68-23
13	69-02	69-16	69-00	69-02	21	69-13	68-21	68-31		68-18	69-10	68-18	68-28
14	68-30	68-30	68-08	68-08	68-27	68-27	68-05	68-07		68-24	68-24	68-02	68-02
17	67-30	68-04	67-24	67-28	68-01	68-01	67-27	67-27		67-23	68-02	67-23	67-28
18	68-29	69-12	68-27	69-12	68-02	69-12	68-02	69-12		68-01	69-11	68-01	69-11
19	69-19	70-16	69-06	70-01	69-19	70-06	69-06	70-03		69-18	70-06	69-06	70-03
20	69-20	70-01	69-17	70-01b	69-21	70-01	69-17	70-01b		69-20	70-01	69-17	70-01b
21	69-10	69-10	69-07	69-10	69-10	69-10	69-01	69-10		69-10	69-10	69-09	69-10
24	69-15	70-00	69-00	69-30	69-14	70-00	69-08	69-29		69-14	70-00	69-04	69-30
25	70-13	70-22h	69-22	69-22	70-14	70-14	69-22	69-22		70-19	70-19	69-26	69-26
26	69-12	69-29	69-10	69-29	69-11	69-31	69-11	69-31	69-30	69-15	69-29	69-13	69-29
27	HOLIDAY												
28	70-00	70-01	69-17	69-17	70-01	70-01	69-20	69-20		70-01	70-01	69-22	69-22

Nov	March 1983 Open	High	Low	Close	June 1983 Open	High	Low	Close
3	67-29	68-16	67-29	68-16	67-29	68-16	67-29	68-16
4	HOLIDAY							
5	70-21	70-21h	68-09	68-09a	70-22	70-22h	68-11	68-11a
6	67-16	67-16	67-02	67-02	67-17	67-17	67-03	67-03
7	67-00	68-20	67-00L	68-20	67-01	68-20	67-01L	68-20
10	67-21	67-27	67-14	67-14	67-20	67-26	67-13	67-13
11	68-20	69-08	68-20	69-08b				69-06n
12	69-04	69-04	68-18	68-20	69-02	69-02	68-20	68-20
13	68-15	69-07	68-15	68-26	68-12	69-04	68-12	68-24
14	68-21	68-21	67-31	67-31a	68-18	68-18	67-28	67-28
17	67-21	68-01	67-21	67-28	67-26	67-26	67-26	67-26
18	68-00	69-10	68-00	69-10	67-31	69-09	67-31	69-09
19	69-17	70-01	69-06	70-01	69-16	70-06	69-06	70-03
20	69-19	70-01	69-17	70-01b	69-18	70-01	69-17	70-01b
21	69-10	69-10	69-10	69-10	69-10	69-10	69-10	69-10
24	69-14	70-00	69-11	69-30	69-14	70-00	69-04	69-30
25	70-20	70-20	69-27	69-27	70-18	70-18	69-28	69-28
26	69-14	69-29	69-14	69-29	69-18	69-29	69-18	69-29
27	HOLIDAY							
28	70-00	70-02	69-24	69-24	69-31	69-31	69-25	69-25

h = high L = low a = asked b = bid n = nominal

GNMA Volume Of Sales

Reported in Contracts

Nov	1980 Nov	1980 Dec	1981 Jan	1981 Feb	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	Total
3		2,404			838L	810	674	396	372	436	580	451	39	12	7,012
4	HOLIDAY														
5		7,374h			3,691	2,311h	641	526	1,508	795	1,631	35L	471	1L	18,984
6		4,587			3,051	1,131	310	445	1,042	946	709	653	170	54	13,098
7		4,755			4,284	459	804h	1,975h	1,280	3,168h	2,654	2,242h	286	106h	22,013h
10		3,378			3,260	431	134	165	276	666	903	336	142	11	9,702
11		2,214			1,789	446	246	503	352	843	767	130	102		7,392
12		5,273			3,523	413	432	388	547	949	1,687	1,207	807h	1	15,227
13		4,354			3,697	784	301	316	878	671	1,054	499	230	6	12,790
14		3,561			2,632	430	181	196	730	176L	556	184	149	6	8,801
17		2,313			2,387	399	193	225	136L	401	286L	211	108	30	6,689
18		3,370			3,839	757	446	381	1,822h	1,283	3,590h	2,036	79	46	17,649
19		3,547			4,455	600	468	367	1,117	1,573	1,039	810	338	12	14,326
20		2,274			2,268	533	485	272	420	749	783	759	101	16	8,660
21		2,779			3,994	796	162	126L	267	274	358	383	192	18	9,349
24		2,009			3,643	595	242	778	967	568	834	714	14L	7	10,371
25		2,547			4,925h	481	185	469	1,093	308	1,292	1,454	183	11	12,948
26		2,975					176				984				4,135L
27	HOLIDAY														
28		550L			2,350	339L	83L	627	765	1,526	499	604	55	2	7,400
Total		60,264			54,626	11,715	6,163	8,155	13,572	15,332	20,206	12,708	3,466	339	206,546

GNMA Open Contracts

Reported in Contracts

Nov	1980 Nov	1980 Dec	1981 Jan	1981 Feb	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	Total
3		8,454			9,210L	7,934L	8,195	7,354L	10,176L	12,277L	12,532L	5,740	2,135L	175	84,182
4	HOLIDAY														
5		8,342			9,331	8,148	8,496	7,625	10,437	12,385	12,555	5,736L	2,157	175	85,387
6		8,565			9,580	8,126	8,406	7,549	10,499	12,697	12,956	5,827	2,205	145L	86,555
7		8,693h			10,233	8,099	8,022	7,544	10,394	13,583	13,705	7,193	2,303	242	90,011
10		8,650			10,347	8,228	8,007L	7,495	10,372	13,342	13,649	7,129	2,403	232	89,854
11		8,466			10,076	8,344	8,116	7,607	10,424	13,388	13,673	7,202	2,453	232	89,981
12		7,901			10,149	8,352	8,400	7,686	10,529	13,943	14,793	6,756	2,621	231	91,361
13		7,619			10,580	8,541	8,455	7,370	11,182	14,257	15,297	6,941	2,641	235	93,118
14		7,495			10,603	8,503	8,439	7,675	11,006	14,258	15,386	6,863	2,581	230	93,039
17		7,148			10,769	8,531	8,469	7,644	11,008	14,437	15,470	6,805	2,609	236	93,126
18		6,826			10,833	8,804	8,556	7,648	11,977	14,238	15,999	8,037	2,631	262	95,811
19		6,796			10,904	8,682	8,326	7,710	12,330	14,232	16,231	8,449	2,604	266	96,530
20		6,407			11,101	8,748	8,535	7,711	12,317	14,230	16,280	8,411	2,644	269	96,653
21		6,175			11,094	8,934	8,559	7,768	12,563	14,305	16,237	8,437	2,604	269	96,945
24		5,530			11,373	8,959	8,595	7,819	12,871	14,409	16,522	8,793	2,592	270	97,733
25		5,046			11,325	9,094	8,619	7,925h	12,918	14,480	16,969	9,602	2,637	282	98,897h
26		2,771					8,640				17,306				28,717L
27	HOLIDAY														
28		2,326L			12,115h	9,297h	8,649h	7,900	13,176h	14,536h	17,389h	10,109h	2,678h	313h	98,488

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

December 1980

Dec	Open		High	Low	Close	
1	68-02		68-25	67-14	67-16	67-14
2	68-00		68-00	67-10	67-30	
3	68-10		68-15	68-04	68-10	
4	68-10		68-15	67-30	68-09	
5	68-12		69-00h	67-31	68-24	
8	68-16		68-20	68-02	68-02	
9	67-19	67-20	68-00	67-19	67-21	
10	67-15		67-20	67-01	67-04	
11	66-08	66-09	66-24	65-27L	65-28	
12	66-15		67-28	66-14	67-20	
15	68-00		68-00	66-30	67-14	
16	66-30		68-00	66-30	67-20	
17	67-24		68-15	67-00	67-00	
18	67-12		68-02	67-12	67-16	
19						
22						
23						
24						
25	HOLIDAY					
26	HOLIDAY					
29						
30						
31						

January 1981

Open	High	Low	Close
			67-20n
			68-00n
			68-13n
			68-16n
			68-29n
			68-10n
			67-13n
			67-05n
			65-20n
			67-16n
			67-28n
			67-26n
			67-12n
			68-02n
			70-02n
			71-09n
			71-05n
			71-13n
			72-06n
			70-13n
			70-23n

February 1981

Open	High	Low	Close
			67-23n
			68-03n
			68-16n
			68-20n
			69-03n
			68-16n
			67-15n
			67-05n
			65-13n
			67-11n
			67-26n
			68-00n
			67-24n
			68-12n
			70-12n
			71-19n
			71-15n
			71-23n
			72-16n
			70-23n
			71-07n

March 1981

Dec	Open		High	Low	Close	
1	68-24	68-18	69-07	67-24	67-28	67-24
2	68-15	68-18	68-18	67-19	68-05	68-07
3	68-15	68-17	68-27	68-12	68-20	68-18
4	68-23	68-28	68-28	68-06	68-23	68-24
5	68-20	68-16	69-18	68-13	69-07	69-10
8	69-00	68-30	69-06	68-16	68-19	68-25
9	68-14	68-06	68-14	67-16	67-18	67-16
10	67-16	67-13	67-24	66-24	67-03	67-06
11	66-16	66-05	66-26	65-05L	65-08	65-05a
12	65-10	65-18	67-06	65-10	67-06b	
15	66-27	66-30	67-29	66-27	67-22	67-26
16	67-10	67-12	68-17	67-06	68-03	68-06
17	68-09	68-15	69-16	68-00	68-00	68-08
18	68-13	68-15	69-05	68-06	68-23	68-22
19	70-20	70-14	70-22	69-16	70-22	70-22b
22	72-22		72-22h	71-09	72-03	71-24
23	72-00	71-28	72-09	70-24	71-23	71-26
24	71-05	71-08	72-02	71-00	72-00	72-02
25	HOLIDAY					
26	HOLIDAY					
29	72-10	72-06	72-18	71-14	71-21	71-26
30	71-17	71-15	71-17	71-01	71-01	71-02
31	71-05	71-07	71-14	70-18	71-10	71-14

June 1981

Open		High	Low	Close	
68-31		69-16	68-05	68-05	
68-31		68-31	68-00	68-26	
69-04	69-02	69-08	68-26	69-00	
69-07		69-09	68-20	69-03	69-05
69-03	68-20	70-04	68-20	69-30	69-29
69-19	69-20	69-28	69-09	69-14	
69-01		69-05	68-12	68-12	68-16
68-08	68-07	68-14	67-19	67-28	
67-13	67-04	67-18	65-31L	65-31a	
66-13	66-06	67-31	66-06	67-31b	
67-13	67-20	68-19	67-13	68-16	68-17
68-08	68-10	69-05	67-30	68-26	
68-30	69-02	70-04	68-20	68-22	68-20
69-02	69-03	69-23	68-26	69-07	69-04
71-01	70-31	71-04	70-00	71-04b	
73-00	73-04	73-04h	71-31	72-16	72-12
72-20	72-16	72-25	71-10	72-10	72-11
72-00		72-18	71-20	72-16	
72-18	72-20	73-01	72-03	72-12	
72-00	72-02	72-03	71-18	71-19	71-18
71-25	71-20	71-30	71-02	71-24	71-30

September 1981

Open		High	Low	Close	
68-29		69-17	68-18	68-18	
68-30		69-02	68-16	69-02	
69-11		69-16	69-04	69-10	
69-15		69-15	68-29	69-10	
69-07	69-03	70-12	69-03	70-04	
69-29		70-09	69-27	69-27	
69-18		69-30	69-10	69-10	
69-00		69-04	68-10	68-20	
68-00		68-04	66-22L	66-22a	
66-22		68-22	66-22	68-22b	
68-00		69-00	68-00	68-30	
68-22		69-15	68-18	69-11	
69-18		70-13	69-00	69-00	
69-12		69-28	69-05	69-07	
71-07		71-08	70-09	71-08b	
72-10		72-28	72-01	72-12	
72-18		72-22	71-11	72-07	
72-01	72-00	72-18	71-21	72-18	
72-27		72-30h	72-04	72-12	72-11a
72-01		72-03	71-19	71-21	71-19
71-20	71-19	71-29	71-04	71-28	

December 1981

Dec	Open		High	Low	Close	
1	69-00		69-20	68-27	68-30	
2	69-01		69-06	68-12	69-06	
3	69-16		69-21	69-10	69-18	
4	69-15		69-18	69-01	69-13	
5	69-11		70-19	69-08	70-14	
8	69-30		70-22	69-30	70-15	
9	69-28		70-07	69-23	69-25	
10	69-07		69-13	69-00	69-00	
11	68-08		68-22	67-02	67-02	
12	66-22		69-02	66-22L	69-02b	
15	68-12		69-16	68-12	69-16	
16	68-29		69-27	68-29	69-20	
17	69-25		70-18	69-05	69-10	
18	69-15		69-25	69-00	69-00	
19	70-28		71-09	70-09	71-09b	
22	73-01	73-00	73-01h	71-31	72-17	
23	72-18		72-18	71-07	72-03	
24	71-26		72-08	71-23	72-08	
25	HOLIDAY					
26	HOLIDAY					
29	72-16		72-22	72-00	72-05	
30	71-22		71-30	71-20	71-24	
31	71-20		71-26	71-05	71-20	

March 1982

Open	High	Low	Close	
69-00	69-19	68-24	68-24	
69-04	69-10	68-16	69-10	
69-22	69-23	69-12	69-19	
69-19	69-25	69-07	69-16	
69-08	70-20	69-08	70-20	
70-10	70-28	70-05	70-20	
70-06	70-17	69-27	69-29	
69-20	69-27	69-12	69-12	
68-30	68-30	67-16	67-16	
67-16	69-11	66-27L	69-11b	
68-29	69-15	68-29	69-13	
69-00	70-00	68-31	69-28	
69-25	70-28	69-15	69-17	
69-19	69-28	69-10	69-15	
70-20	71-09	70-07	71-09	71-09b
72-07	72-22h	71-28	72-14	
72-00	72-16	71-10	71-29	
71-17	72-00	71-17	72-00	
72-02	72-18	71-28	71-28	
71-18	71-24	71-15	71-20	
71-17	71-27	71-02	71-20	

June 1982

Open	High	Low	Close
69-03	69-20	69-00	69-00
69-06	69-12	68-25	69-12
69-25	69-26	69-16	69-16
69-23	69-25	69-09	69-19
69-09	70-15	69-09	70-15b
70-11	70-23	70-11	70-20
70-11	70-15	70-09	70-10
69-25	70-00	69-18	69-18
69-05	69-05	67-21	67-21a
67-23	68-30	67-08L	68-30b
69-00	69-15	69-00	69-15
69-05	69-30	69-04	69-25
69-29	70-26	69-14	69-22
69-17	69-28	69-10	69-15
70-23	71-09	70-10	71-09
72-06	72-12	71-25	72-12
72-09	72-13	71-10	71-10
71-08	71-28	71-08	71-28
72-14	72-16h	71-20	71-23
71-10	71-14	71-10	71-14
71-14	71-23	70-31	71-20

h = high L = low a = asked b = bid n = nominal

GNMA Futures Prices
Open, High, Low and Close
Points and 32nds at Par

Dec	September 1982 Open	High	Low	Close	December 1982 Open	High	Low	Close	March 1983 Open		High	Low	Close
1	69-13	69-20	68-30	68-30	69-19	69-20	69-07	69-07	69-03	69-04	69-20	69-03	69-03
2	69-08	69-14	69-02	69-14	69-09	69-17	69-06	69-17	69-11		69-14	69-11	69-14
3	69-27	69-28	69-20	69-20	69-29	69-29	69-22	69-22	69-31		69-31	69-24	69-24
4	69-24	69-24	69-07	69-17	69-25	69-25	69-12	69-18	69-26		69-26	69-07	69-17
5	69-18	70-15	69-13	70-15	69-11	70-15	69-11	70-15b	69-12		70-15	69-12	70-15b
8	70-12	70-25	70-12	70-25	70-13	70-25	70-13	70-25	70-14		70-27	70-14	70-27
9	70-13	70-19	70-11	70-18	70-16	70-25	70-15	70-25	70-19		70-25	70-18	70-24
10	69-30	70-05	69-20	69-22	70-02	70-03	69-20	69-29	70-06		70-07	70-06	70-06
11	68-20	69-06	68-04	68-04a	69-00	69-10	68-08	68-08a	69-05		69-07	68-17	68-17a
12	67-28	69-10	67-22L	69-10b	68-01	69-04	67-30L	69-04	68-06		69-18	67-30L	69-18b
15	69-03	69-20	69-03	69-20	69-10	69-21	69-10	69-21	69-13		69-24	69-13	69-24
16	69-09	70-00	69-08	70-00	69-12	70-02	69-12	70-02	69-15		70-06	69-15	70-06
17	70-00	70-28	69-22	69-24	70-03	71-00	69-25	69-31	70-06		70-28	69-28	70-01
18	69-18	69-25	69-10	69-10	69-18	69-28	69-10	69-10	69-19		69-27	69-18	69-18
19	70-24	71-08	70-10	71-08 71-08b	70-23	71-07	70-10	71-07	70-22		71-06	70-10	71-06
22	72-04	72-12	72-00	72-02	73-04	73-04h	71-20	72-08	72-00		72-02	71-26	72-02
23	72-07	72-10	71-20	71-25	72-05	72-07	71-17	72-01	72-03		72-05h	71-14	72-01
24	71-05	71-28	71-05	71-27	71-02	71-20	71-02	71-20	70-31		71-16	70-31	71-16
25	HOLIDAY												
26	HOLIDAY												
29	72-17	72-17h	71-20	71-20	72-07	72-07	71-18	71-18	72-03		72-03	71-14	71-14
30	71-06	71-14	71-06	71-14	71-04	71-08	71-00	71-06	70-29		71-06	70-29	71-06
31	71-06	71-19	70-24	71-16	71-03	71-16	70-23	71-16	71-00		71-13	70-22	71-05

Dec	June 1983 Open	High	Low	Close	September 1983 Open	High	Low	Close
1				69-01n				
2	69-13	69-16	69-08	69-16				
3	70-01	70-01	69-26	69-26				
4				69-19n				
5	69-14	70-15	69-14	70-15b				
8	70-15	70-29	70-15	70-29				
9	70-22	70-28	70-22	70-28				
10	70-10	70-10	70-10	70-10				
11	70-00	70-00	68-13	68-13a				
12	68-11	69-06	68-08L	69-06b				
15	69-16	69-27	69-16	69-27				
16	69-18	70-06	69-18	70-06				
17	69-31	71-06	69-31	69-31				
18	69-19	69-19	69-18	69-18				
19	70-22	71-05	70-10	71-05				
22	71-30	71-30	71-24	71-28				
23	72-01	72-03h	71-11	72-01				
24	70-28	71-12	70-28	71-12				
25	HOLIDAY							
26	HOLIDAY							
29	71-30	71-30	71-00	71-00				
30	70-29	71-02	70-29	71-02	70-26	70-26h	70-26L	70-26
31	70-29	71-10	70-20	71-10				71-15n

h = high L = low a = asked b = bid n = nominal

GNMA Volume of Sales

Reported in Contracts

Dec	1980 Dec	1981 Jan	1981 Feb	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	1983 Sep	Total
1	525			4,651	616	412	330	661	869	1,188	1,239	96			10,587
2	819h			5,355	910	442	380	1,050	692	1,470	1,045	270	38		12,471
3	302			4,058	573	189L	309	388L	793	744	1,201	513	6		9,076
4	181			4,243	363L	329	460	785	1,242	826	321	20L			8,770
5	328			4,895	1,067	480	268	942	1,082	1,637	835	342	75		11,951
8	295			4,105	778	276	1,078	2,033	3,448	3,084	1,864	538	4L		17,503
9	327			6,897	1,164	971	816	888	704	1,198	755	282	19		14,021
10	137			6,901	1,639	477	647	943	1,790	1,399	1,410	262	25		15,630
11	54L			8,023	2,863	1,323	673	1,062	1,521	2,570	2,865	234	123		21,311
12	140			4,866	3,552h	1,598h	2,123h	4,220h	6,763h	6,904h	5,038h	2,976h	502		38,682h
15	356			4,509	1,707	749	704	536	602	1,922	1,528	721	31		13,365
16	179			5,733	1,325	662	585	793	218L	386	307L	137	26		10,351
17	58			7,806	2,809	1,224	511	1,336	1,103	1,446	812	1,060	423		18,588
18	96			3,612	1,231	766	425	1,234	1,400	1,082	468	209	78		10,601
19				7,710	2,124	570	1,070	2,232	1,415	2,562	2,459	1,115	31		21,288
22				8,504h	2,316	938	1,818	3,337	3,084	4,107	2,111	2,445	593h		29,253
23				5,583	2,790	935	888	1,575	2,480	1,837	726	1,021	538		18,373
24				2,379	1,066	451	201L	406	459	322L	366	207	12		5,869L
25	HOLIDAY														
26	HOLIDAY														
29				3,285	1,930	943	545	929	1,038	1,400	1,717	901	155		12,843
30				3,643	1,379	502	502	666	651	965	620	839	362	59h	10,188
31				2,276L	1,003	526	512	467	790	577	1,074	599	190		8,014
Total	3,797			109,034	33,205	14,763	14,845	26,483	32,144	37,626	28,761	14,787	3,231	59	318,735

GNMA Open Contracts

Reported in Contracts

Dec	1980 Dec	1981 Jan	1981 Feb	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	1983 Sep	Total
1	1,949h			12,356	9,324	8,771	7,934	13,387L	14,667	17,518L	10,565L	2,730L	313L		99,514L
2	1,759			12,621	9,175	8,756	7,725	13,528	14,783	18,274	10,953	2,842	323		100,739
3	1,511			12,450	9,198	8,748L	7,500L	13,582	14,639L	18,398	11,621	3,073	319		101,039
4	1,309			12,446	9,240	8,765	7,800	14,008	15,180	18,898	11,639	3,082	319		102,686
5	1,252			12,633	9,379	8,973	7,859	14,264	15,378	19,410	11,981	3,242	374		104,745
8	1,003			12,582	9,602	9,008	8,217	15,020h	16,702	19,366	12,221	3,357	377		107,455
9	757			13,137	9,650	9,592	8,623	14,926	16,767	19,359	12,439	3,401	377		109,028
10	766			13,755	9,817h	9,515	8,612	14,591	16,960	19,907	12,653	3,475	396		110,447
11	756			14,566h	9,742	9,763h	8,553	14,780	17,001	21,519h	12,993	3,456	469		113,598
12	788			14,410	9,306	9,559	8,754	14,947	17,104	21,144	13,526	4,674	674		114,886
15	714			13,987	9,400	9,209	8,934h	14,847	16,844	20,457	14,105h	5,082	702		114,281
16	567			13,658	9,374	9,082	8,722	14,596	16,771	20,132	14,063	5,129	711		112,805
17	509			12,933	9,137	9,211	8,443	14,579	17,183	20,556	13,815	5,580	775		112,721
18	474			12,276L	8,734L	9,276	8,394	14,733	17,451	20,534	13,646	5,404	823		111,745
19	483			12,648	8,948	9,092	8,311	14,672	17,826	20,358	13,936	5,753	815		112,842
22	416			13,415	9,302	9,281	8,545	14,354	18,671	20,151	14,009	6,530	900		115,574
23	342			12,954	9,396	9,293	8,371	14,888	18,388	20,476	13,805	6,372	1,337		115,622h
24	262			12,961	9,302	9,425	8,240	14,437	18,515	20,354	13,841	6,324	1,327		114,988
25	HOLIDAY														
26	HOLIDAY														
29	147			13,048	9,315	9,401	8,119	14,111	18,619	20,283	13,730	6,750h	1,356		114,879
30	142L			13,302	9,278	9,427	8,210	14,130	18,690h	20,433	13,617	6,435	1,405	34h	115,103
31				13,557	9,229	9,604	8,351	14,125	18,669	20,428	13,595	6,155	1,414h	34	115,161

h = high L = low a = asked b = bid n = nominal

GNMA
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January Delivery

Trading Year	Delivery Year	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	Trading Year	Delivery Year
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81

Trading Year	Delivery Year	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	Trading Year	Delivery Year
80-81	81	-	-	73-05	71-18	-	-	-	-	-	-	-	-	80-81	81

February Delivery

Trading Year	Delivery Year	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	Trading Year	Delivery Year
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81

Trading Year	Delivery Year	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	Trading Year	Delivery Year
80-81	81	73-05	71-18	-	-	-	-	-	-	-	-	-	-	80-81	81

March Delivery

Trading Year	Delivery Year	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	Trading Year	Delivery Year
80-81	83	-	-	-	-	79-22	75-29	75-19	73-00	73-19	70-19	73-08	68-27	80-81	83
80-81	82	77-11	69-18	82-00	75-20	81-03	76-00	76-28	72-10	74-07	70-22	73-14	68-21	80-81	82
80-81	81	77-13	68-28	82-15	76-10	82-20	76-10	77-30	72-26	74-31	69-23	73-14	68-04	80-81	81
79-80	82	-	-	-	-	86-31	86-02	87-03	85-21	86-18	84-27	84-25	80-06	79-80	82
79-80	81	87-28	85-23	86-28	85-10	87-28	86-07	87-30	86-11	87-11	85-17	85-14	81-08	79-80	81
79-80	80	88-11	85-30	87-11	85-18	88-24	86-20	88-31	87-02	88-06	85-27	85-27	81-27	79-80	80
78-79	81	-	-	-	-	87-25	87-02	89-03	86-27	90-26	88-19	91-16	89-24	78-79	81
78-79	80	91-25	90-24	90-30	88-23	89-00	87-18	89-19	87-12	91-09	89-05	91-30	90-01	78-79	80
78-79	79	92-23	91-21	91-28	89-20	90-04	88-15	90-20	88-11	92-10	90-03	92-24	90-16	78-79	79
77-78	80	-	-	-	-	-	-	-	-	-	-	95-21	95-07	77-78	80
77-78	79	94-03	92-18	93-17	92-18	94-28	93-06	94-26	93-29	96-16	94-06	96-27	95-27	77-78	79
77-78	78	96-11	94-20	95-31	94-15	97-11	95-15	97-16	96-11	98-15	96-16	98-13	97-10	77-78	78
76-77	79	-	-	-	-	-	-	-	-	-	-	-	-	76-77	79
76-77	78	-	-	-	-	-	-	-	-	-	-	93-19	92-28	76-77	78
76-77	77	95-07	94-03	94-05	92-10	93-29	92-28	94-16	93-06	95-15	94-00	96-23	95-11	76-77	77
75-76	77	-	-	-	-	-	-	-	-	-	-	-	-	75-76	77
75-76	76	-	-	-	-	-	-	-	-	-	-	-	-	75-76	76

Trading Year	Delivery Year	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	Trading Year	Delivery Year
80-81	83	72-11	67-28	70-21	67-00	72-05	67-30	-	-	-	-	-	-	80-81	83
80-81	82	72-25	67-20	70-23	66-26	72-22	66-27	-	-	-	-	-	-	80-81	82
80-81	81	73-17	67-01	70-15	65-25	72-22	65-05	-	-	-	-	-	-	80-81	81
79-80	82	80-09	73-02	80-26	74-20	81-24	76-15	78-26	74-27	75-12	66-10	73-18	69-00	79-80	82
79-80	81	81-11	73-15	81-22	75-09	82-28	77-05	79-24	75-01	75-25	66-19	72-09	67-25	79-80	81
79-80	80	82-05	73-16	81-01	74-26	81-28	76-03	78-31	73-12	74-11	66-15	70-10	66-10	79-80	80
78-79	81	91-02	88-11	90-21	89-10	89-31	87-15	89-07	87-16	89-10	87-05	88-09	87-14	78-79	81
78-79	80	91-10	88-22	91-03	89-20	90-17	87-30	89-19	87-29	89-25	87-16	88-22	87-25	78-79	80
78-79	79	91-11	88-23	90-21	89-08	90-11	87-13	89-14	87-15	89-20	87-13	88-12	87-19	78-79	79
77-78	80	95-20	94-14	95-02	94-08	94-27	93-12	93-22	92-19	93-12	92-06	92-22	91-13	77-78	80
77-78	79	96-17	95-06	95-31	94-31	95-26	94-05	94-18	93-09	93-23	92-20	93-16	92-01	77-78	79
77-78	78	97-17	96-07	97-12	96-06	97-02	95-15	95-27	94-06	95-05	93-24	95-26	94-22	77-78	78
76-77	79	-	-	-	-	-	-	-	-	-	-	92-23	91-31	76-77	79
76-77	78	94-19	93-16	96-13	93-24	97-16	96-13	97-16	94-00	95-01	93-27	94-28	93-27	76-77	78
76-77	77	97-13	96-04	99-19	96-17	101-04	99-20	101-05	97-15	98-16	97-05	98-08	97-15	76-77	77
75-76	77	-	-	-	-	94-19	93-27	95-10	94-05	94-29	93-21	94-19	93-20	75-76	77
75-76	76	96-12	93-13	96-05	93-05	96-10	93-07	96-27	95-18	96-20	95-09	96-29	95-13	75-76	76

GNMA
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April Delivery

Trading Year	Delivery Year	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	Trading Year	Delivery Year
75-76	76	-	-	-	-	-	-	-	-	-	-	-	-	75-76	76

Trading Year	Delivery Year	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	APRIL High	APRIL Low	Trading Year	Delivery Year
75-76	76	-	-	-	-	96-17	95-15	96-14	95-01	96-26	95-16	97-27	96-16	75-76	76

June Delivery

Trading Year	Delivery Year	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	Trading Year	Delivery Year
80-81	83	-	-	-	-	70-25	68-28	72-12	67-29	70-22	67-01	72-03	68-08	80-81	83
80-81	82	76-20	72-02	74-07	70-24	73-10	68-25	72-18	67-23	70-22	66-30	72-16	67-08	80-81	82
80-81	81	77-22	72-23	74-24	69-28	73-15	68-11	73-12	67-06	70-20	66-13	73-04	65-31	80-81	81
79-80	82	-	-	-	-	82-16	79-31	80-01	72-26	80-22	74-18	81-23	76-14	79-80	82
79-80	81	87-23	86-06	87-05	85-12	85-10	81-00	81-02	73-10	81-15	75-02	82-21	77-03	79-80	81
79-80	80	88-26	86-30	88-03	85-28	85-28	81-27	82-00	73-18	81-16	75-00	82-13	76-16	79-80	80
78-79	81	-	-	-	-	90-12	89-21	91-02	88-10	90-21	89-06	89-27	87-12	78-79	81
78-79	80	89-15	87-07	91-06	88-31	91-27	90-01	91-08	88-17	91-00	89-20	90-11	87-26	78-79	80
78-79	79	90-08	87-31	91-31	89-24	92-16	90-11	91-13	88-25	90-29	89-15	90-17	87-21	78-79	79
77-78	80	-	-	-	-	-	-	-	-	-	-	93-20	93-05	77-78	80
77-78	79	94-10	93-12	96-05	93-23	96-20	95-15	96-09	95-00	95-25	94-27	95-17	93-29	77-78	79
77-78	78	96-22	95-20	97-28	95-30	97-30	96-30	97-08	95-30	96-28	95-25	96-19	95-00	77-78	78
76-77	79	-	-	-	-	-	-	-	-	-	-	-	-	76-77	79
76-77	78	-	-	-	-	93-00	92-12	94-01	93-03	95-28	93-09	96-28	95-25	76-77	78
76-77	77	94-01	92-27	94-20	93-17	95-31	94-18	96-19	95-13	98-23	95-23	100-06	98-22	76-77	77
75-76	77	-	-	-	-	-	-	-	-	-	-	94-09	93-18	75-76	77
75-76	76	-	-	-	-	-	-	95-28	93-04	95-25	93-00	95-31	93-05	75-76	76

Trading Year	Delivery Year	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	Trading Year	Delivery Year
80-81	83	-	-	-	-	-	-	-	-	-	-	-	-	80-81	83
80-81	82	-	-	-	-	-	-	-	-	-	-	-	-	80-81	82
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81
79-80	82	78-18	74-25	75-09	66-12	73-07	69-00	76-11	69-19	81-00	75-15	81-00	75-16	79-80	82
79-80	81	79-18	75-03	75-22	66-20	72-22	68-18	77-00	69-02	82-12	76-07	82-02	76-06	79-80	81
79-80	80	79-11	73-04	74-11	65-22	70-10	65-18	76-08	67-15	82-05	76-16	82-12	76-18	79-80	80
78-79	81	89-04	87-13	89-03	87-04	88-04	87-12	87-26	85-22	86-23	85-07	87-20	86-07	78-79	81
78-79	80	89-17	87-22	89-20	87-15	88-19	87-23	88-08	85-30	87-09	85-19	88-21	86-20	78-79	80
78-79	79	89-16	87-17	89-22	87-12	88-20	87-19	88-09	85-27	87-16	85-14	88-19	86-23	78-79	79
77-78	80	93-20	92-16	93-10	92-04	92-17	91-11	91-20	90-17	90-24	88-17	88-26	87-14	77-78	80
77-78	79	94-09	93-02	93-19	92-16	93-08	91-27	92-15	91-12	91-18	89-10	89-23	88-06	77-78	79
77-78	78	95-12	93-27	94-12	93-07	94-28	93-09	94-09	93-05	93-17	91-26	92-22	91-19	77-78	78
76-77	79	-	-	-	-	-	-	-	-	-	-	94-11	93-14	76-77	79
76-77	78	96-20	93-11	94-12	93-12	94-09	93-10	95-21	94-00	95-05	94-00	96-17	94-25	76-77	78
76-77	77	100-06	96-14	97-15	95-31	97-23	96-02	99-10	97-15	99-00	97-10	100-03	98-17	76-77	77
75-76	77	95-00	93-30	94-13	93-11	94-00	93-06	94-24	93-12	93-15	91-28	93-15	92-10	75-76	77
75-76	76	96-14	95-02	96-02	94-22	96-20	94-24	97-15	95-31	96-15	95-00	96-22	95-11	75-76	76

GNMA

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September Delivery

Trading	Delivery	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	83	-	-	-	-	70-26	70-26	-	-	-	-	-	-	80-81	83
80-81	82	72-18	67-22	70-19	66-26	72-17	67-22	-	-	-	-	-	-	80-81	82
80-81	81	73-01	67-15	70-18	66-18	72-30	66-22	-	-	-	-	-	-	80-81	81
79-80	82	-	-	-	-	78-17	77-05	78-01	74-27	74-06	66-09	73-13	68-30	79-80	82
79-80	81	80-25	73-05	81-09	74-20	82-08	76-30	79-11	74-30	75-24	66-20	72-30	68-21	79-80	81
79-80	80	81-29	73-18	82-00	75-09	82-29	77-05	79-25	73-28	74-27	65-24	70-22	66-00	79-80	80
78-79	81	-	-	-	-	87-30	87-16	89-01	87-12	89-00	87-02	88-02	87-10	78-79	81
78-79	80	91-06	88-14	90-28	89-10	90-07	87-23	89-14	87-24	89-19	87-11	88-16	87-18	78-79	80
78-79	79	91-12	88-24	91-04	89-23	90-20	87-25	89-19	87-25	89-25	87-15	88-22	87-22	78-79	79
77-78	80	-	-	-	-	-	-	-	-	-	-	92-12	91-09	77-78	80
77-78	79	96-02	94-26	95-17	94-20	95-07	93-24	93-29	92-30	93-16	92-12	93-01	91-22	77-78	79
77-78	78	96-31	95-22	96-17	95-17	96-08	94-22	95-00	93-21	94-00	92-30	94-07	92-22	77-78	78
76-77	79	-	-	-	-	-	-	-	-	-	-	-	-	76-77	79
76-77	78	93-21	92-18	95-11	92-21	96-13	95-04	96-05	92-20	93-26	92-22	93-26	92-24	76-77	78
76-77	77	95-27	94-23	97-25	95-00	99-08	97-26	99-10	95-17	96-16	95-04	96-18	95-05	76-77	77
75-76	78	-	-	-	-	-	-	-	-	-	-	-	-	75-76	78
75-76	77	-	-	-	-	93-20	93-09	94-23	93-23	94-00	93-14	93-16	92-27	75-76	77
75-76	76	95-15	92-24	95-13	92-17	95-15	92-22	96-02	94-20	95-21	94-10	95-29	94-11	75-76	76

Trading	Delivery	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	83	-	-	-	-	-	-	-	-	-	-	-	-	80-81	83
80-81	82	-	-	-	-	-	-	-	-	-	-	-	-	80-81	82
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81
79-80	82	77-02	69-17	80-19	75-10	80-10	75-13	76-13	71-30	73-27	70-26	73-10	68-25	79-80	82
79-80	81	77-00	69-20	82-00	76-00	81-22	76-09	77-10	72-26	74-18	70-06	73-15	68-16	79-80	81
79-80	80	76-18	67-15	82-15	76-20	83-02	76-15	78-03	73-02	75-04	69-25	73-19	71-00	79-80	80
78-79	81	87-20	85-20	86-18	85-06	87-15	86-01	87-15	86-00	86-30	85-07	84-23	80-25	78-79	81
78-79	80	88-04	85-27	87-03	85-17	88-13	86-16	88-16	86-24	87-29	85-28	85-26	81-25	78-79	80
78-79	79	88-11	85-25	87-12	85-13	88-22	86-18	89-00	86-31	88-02	85-20	85-20	83-18	78-79	79
77-78	80	91-14	90-12	90-20	88-11	88-20	87-11	89-11	87-03	91-03	88-28	91-23	89-27	77-78	80
77-78	79	92-00	91-04	91-10	89-04	89-15	87-30	89-31	87-23	91-22	89-17	92-09	90-08	77-78	79
77-78	78	93-16	92-13	92-22	90-22	91-11	89-29	91-30	89-28	93-15	91-12	93-16	91-12	77-78	78
76-77	79	-	-	-	-	-	-	-	-	-	-	96-12	95-17	76-77	79
76-77	78	95-03	93-15	94-19	93-15	95-30	94-06	96-00	95-01	97-14	95-12	97-16	96-18	76-77	78
76-77	77	98-04	96-09	97-28	96-04	99-16	97-08	99-18	98-06	99-18	97-30	99-15	98-17	76-77	77
75-76	78	-	-	-	-	-	-	-	-	-	-	92-16	91-26	75-76	78
75-76	77	93-31	92-29	93-00	91-14	93-02	91-30	93-18	92-16	93-30	93-03	95-05	93-27	75-76	77
75-76	76	96-17	95-08	95-15	93-23	95-11	94-11	96-05	94-20	97-09	95-31	98-10	97-04	75-76	76

October Delivery

Trading	Delivery	NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		APRIL		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	-	-	-	-	-	-	-	-	-	-	79-80	80
77-78	78	-	-	-	-	-	-	-	-	-	-	-	-	77-78	78

Trading	Delivery	MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	-	-	-	-	-	-	73-05	68-28	-	-	79-80	80
77-78	78	-	-	-	-	-	-	-	-	93-06	92-26	91-10	91-10	77-78	78

GNMA
Monthly Range of Futures Prices
Points and 32nds at Par

November Delivery

Trading	Delivery	DECEMBER		JANUARY		FEBRUARY		MARCH		APRIL		MAY		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	-	-	-	-	-	-	-	-	-	-	79-80	80
77-78	78	-	-	-	-	-	-	-	-	-	-	-	-	77-78	78

Trading	Delivery	JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	-	-	-	-	73-05	71-18	-	-	-	-	79-80	80
77-78	78	-	-	-	-	-	-	93-00	92-20	91-07	91-07	-	-	77-78	78

December Delivery

Trading	Delivery	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	82	-	-	-	-	-	-	76-00	73-18	80-00	75-05	80-08	75-11	80	82
80	81	79-02	74-29	75-17	66-13	73-00	68-28	76-21	69-20	81-20	75-25	81-17	76-04	80	81
80	80	79-31	74-18	75-14	66-07	71-25	66-22	76-28	68-09	82-15	76-16	83-00	76-13	80	80
79	81	-	-	-	-	87-25	87-08	87-17	85-16	86-14	85-02	87-08	85-30	79	81
79	80	89-11	87-20	89-13	87-09	88-13	87-15	88-01	85-26	87-00	85-13	88-04	86-11	79	80
79	79	89-22	87-27	89-25	87-17	88-24	87-24	88-12	85-30	87-12	85-17	88-24	86-19	79	79
78	80	-	-	-	-	91-31	91-04	91-13	90-09	90-16	88-09	88-[illegible]	87-05	78	80
78	79	93-25	92-25	93-13	92-10	92-28	91-17	91-30	90-29	91-05	88-29	89-07	87-24	78	79
78	78	94-23	93-14	93-27	92-24	93-27	92-09	93-02	91-31	92-08	90-00	90-20	88-31	78	78
77	79	-	-	-	-	-	-	-	-	-	-	-	-	77	79
77	78	95-16	92-02	93-13	92-04	93-09	92-11	94-18	93-00	94-00	92-31	95-11	93-21	77	78
77	77	98-13	94-24	95-24	94-12	95-18	94-13	97-05	95-10	96-[illegible]7	95-07	98-12	96-09	77	77
76	78	-	-	-	-	-	-	-	-	-	-	-	-	76	78
76	77	-	-	-	-	-	-	-	-	-	-	92-21	92-01	76	77
76	76	95-23	94-09	95-07	93-30	95-08	94-00	95-28	94-21	94-25	93-00	94-14	93-16	76	76
75	76	-	-	-	-	-	-	-	-	-	-	-	-	75	76
75	75	-	-	-	-	-	-	-	-	-	-	-	-	75	75

Trading	Delivery	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	82	76-10	71-25	73-26	70-23	73-06	68-26	72-14	67-25	70-20	67-01	73-04	67-30	80	82
80	81	77-04	72-17	74-14	70-22	73-13	68-17	72-26	67-19	70-24	66-24	73-01	66-22	80	81
80	80	78-02	72-25	75-01	69-14	73-15	68-02	73-20	67-05	70-14	65-25	69-00	65-27	80	80
79	81	87-15	85-27	86-23	85-01	84-25	80-13	80-19	73-00	81-01	74-27	82-00	76-23	79	81
79	80	88-06	86-17	87-20	85-23	85-21	81-16	81-24	73-17	81-28	75-09	82-30	77-10	79	80
79	79	89-00	87-00	88-04	85-24	85-23	81-30	82-10	73-26	80-31	75-00	81-00	76-08	79	79
78	80	89-05	86-30	90-30	88-23	91-19	89-25	91-04	88-12	90-26	89-13	90-03	87-18	78	80
78	79	89-27	87-17	91-15	89-11	92-04	90-05	91-14	88-24	91-06	89-17	90-21	88-02	78	79
78	78	91-05	88-30	92-26	90-19	93-03	90-22	91-12	88-23	90-18	89-07	89-30	87-28	78	78
77	79	-	-	-	-	96-08	95-19	95-22	94-20	95-11	94-14	95-02	93-17	77	79
77	78	95-13	94-20	96-30	94-24	97-03	96-07	96-23	95-14	96-09	95-09	96-00	94-13	77	78
77	77	98-17	97-07	99-00	97-05	98-29	97-26	97-29	96-20	98-02	96-22	97-21	96-09	77	77
76	78	-	-	-	-	-	-	-	-	-	-	95-15	95-01	76	78
76	77	93-02	92-06	93-10	92-20	94-16	93-06	95-05	94-01	97-02	94-10	98-13	97-02	76	77
76	76	95-07	93-24	96-11	94-26	97-20	96-05	98-06	97-00	100-11	97-16	101-27	100-10	76	76
75	76	-	-	-	-	-	-	-	-	-	-	95-00	94-03	75	76
75	75	-	-	-	-	-	-	96-22	93-18	96-14	93-16	95-08	93-18	75	75

CHICAGO BOARD OF TRADE

CDR-GNMA Deliveries Against Futures Commitments (Contracts)

1980

	Mar.	1	June	1	Sept.	1	Dec.	1
1							24	5/30/80
2			40	6/12/78	495	4/30/80	47	10/11/78
3	154	6/14/78	5	6/21/78	1,330	7/24/80	60	6/26/79
4	64	8/30/79			211	7/30/80	152	8/10/79
5	30	10/10/79			399	8/8/80	3	6/10/79
6	3	10/25/79						
7	3	10/26/79						
8					211	8/11/80	70	9/5/79
9					91	8/12/80	66	9/28/79
10	50	2/6/80			63	8/18/80	3	10/4/79
11	103	2/6/80	40	8/24/79	93	8/19/80	3	10/4/79
12			109	1/16/80	43	8/21/80	8	12/11/79
13	87	2/20/80	33	1/16/80				
14	3	2/20/80						
15					1	8/21/80	56	5/2/80
16					118	8/29/80	70	6/16/80
17	40	2/20/80			83	9/3/80	15	6/23/80
18	6	2/20/80	80	1/16/80			19	6/15/80
19	22	2/20/80	80	1/30/80	2	9/3/80	1	6/25/80
20			252	2/14/80				
21								
22					3	9/3/80	67	7/7/80
23			648	6/6/80	114	9/9/80	74	7/7/80
24			312	6/9/80	10	9/15/80	80	7/7/80
25	349	3/11/80	630	6/12/80	6	9/18/80		
26	16	3/11/80	90	6/13/80				
27	5	3/11/80	697	6/19/80				
28								
29							115	10/22/80
30							5	10/22/80
31			86	6/19/80			142	12/10/80
Total	935		3,102		3,273		1,102	

[1] Last date into which commodity was assigned.

CHICAGO BOARD OF TRADE

Registration of GNMA Collateralized Depositary Receipts
Last Day of the Month

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1980	521	141	89	89	109	3,006	2,947	2,315	884	607	591	991
1979	94	94	96	92	21	132	72	68	109	75	75	556
1978	66	56	51	50	50	100	37	34	397	42	42	97
1977	256	256	256	122	122	232	833	833	1,221	1,201	55	67
1976	41	41	68	56	56	56	24	24	84	122	122	284

Source: Chicago Board of Trade Weighmaster

GOVERNMENT NATIONAL MORTGAGE ASSOCIATION ACTIVITY

(Million Dollar Units)

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1980													
Applications	4,265	2,178	5,124	4,509	5,281	6,627	5,322	4,936	6,850	7,757	2,277	3,557	58,701
Securities Issued	2,611	1,354	1,125	1,778	1,127	1,320	1,874	2,215	1,807	2,255	1,613	1,869	20,943
1979													
Applications	2,924	2,892	2,680	5,907	3,009	3,621	6,211	5,105	4,012	6,509	7,410	3,539	53,819
Securities Issued	1,426	1,304	1,453	1,488	1,673	1,860	6,211	2,933	2,640	2,639	3,250	1,895	28,772
1978													
Applications	2,000	1,549	2,934	3,334	2,671	2,811	3,028	3,907	3,036	3,580	2,869	3,295	35,014
Securities Issued	1,327	929	1,315	823	1,254	999	997	1,648	1,203	1,762	1,721	1,381	15,359
1977													
Applications	2,931	1,936	1,607	2,310	2,425	3,682	2,543	N/A	2,881	2,728	2,493	1,823	31,076
Securities Issued	1,350	1,478	1,424	827	1,090	1,204	1,462	N/A	1,789	1,488	1,320	1,324	16,320
1976													
Applications	1,683	1,294	1,838	1,939	2,015	1,865	1,785	2,573	2,230	2,352	2,477	3,343	25,394
Securities Issued	840	662	1,006	1,103	1,064	1,306	1,328	1,127	1,053	1,725	1,205	1,346	12,149
1975													
Applications	807	1,272	746	235	857	1,331	739	430	854	1,129	942	1,107	10,449
Securities Issued	526	756	489	1,029	521	640	590	593	240	768	431	783	7,366
1974													
Applications	816	749	576	144	483	372	379	328	318	497	773	768	6,203
Securities Issued	666	463	627	514	271	148	477	368	331	261	231	427	4,784

Source: Mortgage Banker

GNMA 8%
Daily Cash – Bid, Ask, Yield
Pts. & 32nds at Par
1980

JANUARY				FEBRUARY			MARCH			APRIL			MAY			JUNE		
	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]
1	HOLIDAY			1 76-13	76-29	11.70	3 N/A			1 70-22	71-60	12.88	1 82-14	82-30	10.59	2 82-90	82-25	10.61
2	81-00	81-16	10.84	4 76-10	76-17	11.78	4 71-12	71-28	12.73	2 70-10	70-26	12.97	2 84-10	84-26	10.26	3 83-23	84-70	10.36
3	80-18	81-20	10.92	5 74-28	75-12	12.01	5 71-00	71-16	12.82	3 70-18	71-20	12.91	5 84-20	84-18	10.30	4 83-27	84-11	10.34
4	80-18	81-20	10.92	6 74-17	75-10	12.08	6 70-00	70-16	12.03	4 HOLIDAY			6 84-30	85-14	10.16	5 84-25	85-90	10.18
7	80-18	81-20	10.92	7 75-26	76-10	11.82	7 70-23	71-70	12.88	7 71-20	72-40	12.68	7 85-16	86-00	10.06	6 85-26	86-10	10.01
8	80-26	81-10	10.88	8 75-28	76-12	11.81	10 71-27	72-11	12.63	8 71-28	72-12	12.63	8 83-20	84-40	10.38	9 86-50	86-21	9.95
9	80-25	81-90	10.88	11 74-10	74-26	12.12	11 72-15	72-31	12.50	9 71-28	72-12	12.63	9 83-22	84-60	10.37	10 85-31	86-15	9.98
10	80-25	81-90	10.88	12 HOLIDAY			12 71-60	71-22	12.77	10 73-13	73-29	12.31	12 82-26	83-10	10.52	11 86-30	86-19	9.96
11	80-20	80-18	11.01	13 74-22	75-60	12.04	13 71-31	72-15	12.61	11 73-25	74-90	12.23	13 83-14	83-30	10.41	12 87-12	87-28	9.75
14	79-29	80-13	11.04	14 74-30	74-19	12.16	14 71-29	72-13	12.62	14 74-10	74-17	12.18	14 NO LISTING			13 87-31	88-15	9.66
15	79-[illegible]	80-80	11.07	15 72-22	73-60	12.46	17 71-17	72-10	12.70	15 74-21	75-50	12.05	15 NO LISTING			16 88-50	88-21	9.63
16	79-[illegible]		11.06	18 HOLIDAY			18 71-25	72-90	12.65	16 78-11	78-27	11.33	16 82-18	83-20	10.56	17 87-29	88-13	9.67
17	79-90	[illegible]	11.16	19 70-40	70-20	13.01	19 72-50	72-21	12.57	17 77-25	78-90	11.44	19 81-26	82-10	10.70	18 87-14	87-30	9.74
18	78-19	79-30	11.28	20 70-17	71-10	12.92	20 71-23	72-70	12.66	18 78-60	78-22	11.36	20 83-00	83-16	10.49	19 87-14	87-30	9.74
21	77-23	78-70	11.45	21 70-14	70-30	12.94	21 71-11	71-27	12.74	21 78-10	78-26	11.34	21 83-20	84-40	10.38	20 87-26	88-10	9.68
22	78-40	78-20	11.37	22 71-40	71-30	12.72	24 69-23	70-70	13.10	22 78-24	79-80	11.25	22 83-18	84-20	10.39	23 86-28	87-12	9.83
23	78-12	78-28	11.33	25 70-10	70-26	12.97	25 69-22	70-60	13.10	23 78-25	79-90	11.25	23 84-20	85-40	10.21	24 86-12	86-28	9.92
24	77-14	77-30	11.50	26 70-00	70-16	13.03	26 69-20	70-40	13.12	24 78-18	79-20	11.29	26 HOLIDAY			25 85-24	86-80	10.02
25	77-20	77-18	11.58	27 69-29	70-13	13.06	27 69-30	70-14	13.05	25 79-10	79-26	11.15	27 84-28	85-12	10.17	26 84-14	84-30	10.24
28	77-16	78-00	11.49	28 71-60	71-22	12.77	28 70-10	70-26	12.97	28 81-00	81-16	10.84	28 84-16	85-00	10.23	27 84-14	84-30	10.24
29	76-29	77-13	11.61	29 71-30	72-14	12.61	31 70-25	71-90	12.86	29 81-00	81-16	10.84	29 83-28	84-12	10.34	30 Unavailabe from Source		
30	76-17	77-10	11.68							30 80-26	81-10	10.88	30 83-80	83-24	10.44			
31	76-28	77-12	11.61															

JULY				AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]	Bid	Ask	Yield[1]
1	83-16	84-00	10.40	1 79-26	80-10	11.06	1 HOLIDAY			1 75-14	75-30	11.89	3 72-10	72-17	12.59	1 N/A		
2	83-24	84-20	10.36	4 79-26	80-10	11.06	2 N/A			2 75-10	75-26	11.92	4 ELECTION DAY			2 69-24	70-80	13.09
3	84-80	84-24	10.27	5 80-00	80-16	11.02	3 N/A			3 76-30	77-14	11.60	5 71-80	71-24	12.76	3 N/A		
4	HOLIDAY			6 79-20	80-40	11.09	4 77-20	77-18	11.58	6 76-24	77-80	11.64	6 69-26	70-10	13.08	4 69-28	70-12	13.06
7	84-80	84-24	10.27	7 79-20	80-40	11.09	5 76-26	77-10	11.62	7 76-20	77-40	11.66	7 71-18	72-20	12.69	5 69-26	70-10	13.08
8	83-22	84-60	10.37	8 78-28	79-12	11.23	8 76-22	77-60	11.65	8 76-10	76-26	11.72	10 71-00	71-16	12.82	8 69-20	69-18	13.24
9	83-14	83-30	10.41	11 77-24	78-80	11.44	9 77-00	77-16	11.59	9 76-16	77-10	11.68	11 N/A			9 68-11	68-27	13.41
10	83-20	83-18	10.48	12 77-24	78-80	11.44	10 77-14	77-30	11.50	10 76-90	76-25	11.73	12 N/A			10 67-21	68-50	13.57
11	82-80	82-24	10.62	13 77-28	78-13	11.41	11 76-22	77-60	11.65	13 N/A			13 72-80	72-24	12.55	11 66-70	66-23	13.91
14	82-30	82-19	10.65	14 78-00	78-16	11.40	12 76-20	77-40	11.66	14 77-10	77-17	11.58	14 70-20	71-40	12.90	12 67-70	67-23	13.67
15	82-80	82-24	10.62	15 78-14	78-30	11.31	15 76-20	77-40	11.66	15 77-10	77-26	11.53	17 70-40	70-20	13.01	15 67-15	67-31	13.61
16	82-24	83-80	10.53	18 77-40	77-20	11.56	16 75-28	76-12	11.81	16 76-18	77-20	11.67	18 71-16	71-22	12.77	16 67-11	67-27	13.64
17	82-12	82-28	10.60	19 76-20	77-40	11.66	17 75-20	76-40	11.86	17 71-30	72-14	11.52	19 N/A			17 67-90	67-25	13.65
18	82-14	82-30	10.59	20 76-28	77-12	11.61	18 75-22	76-60	11.84	20 75-12	75-28	11.91	20 70-24	71-80	12.87	18 67-27	68-11	13.52
21	82-24	83-80	10.53	21 76-24	77-80	11.64	19 76-10	76-26	11.72	21 75-10	75-26	11.92	21 70-12	70-28	12.95	19 70-10	70-26	12.97
22	82-40	82-20	10.64	22 77-40	77-20	11.56	22 75-28	76-12	11.81	22 74-16	75-00	12.08	24 70-22	71-60	12.88	22 71-10	71-26	12.75
23	82-80	82-24	10.62	25 76-24	77-80	11.64	23 75-24	76-80	11.83	23 N/A			25 70-30	71-14	12.83	23 71-90	71-25	12.75
24	82-80	82-24	10.62	26 76-14	76-30	11.70	24 N/A			24 74-20	75-40	12.06	26 71-17	72-10	12.70	24 71-21	72-50	12.67
25	81-26	82-10	10.70	27 75-12	75-28	11.91	25 75-60	75-22	11.94	27 72-20	73-40	12.47	27 HOLIDAY			25 HOLIDAY		
28	81-80	81-24	10.80	28 74-16	75-00	12.08	26 74-20	75-40	12.06	28 72-10	72-26	12.53	28			26 71-29	72-13	12.62
29	81-14	81-30	10.76	29 75-40	75-20	11.96	29 74-60	74-22	12.15	29 71-30	72-14	12.61				29 N/A		
30	80-30	81-14	10.85				30 74-30	75-14	11.99	30 71-20	72-40	12.68				30 71-13	71-29	12.73
31	79-14	79-30	11.13							31 72-60	72-22	12.56				31 71-50	71-21	12.78

[1] Yield computed in ask quote
Source: Wall Street Journal

GNMA
Daily Cash — Bid, Ask, Yield
Pts. & 32nds at Par
1980

JANUARY	Bid	Ask	Yield[1]
1	HOLIDAY		
2	85-10	85-26	11.18
3	84-28	85-12	11.26
4	84-28	85-12	11.06
7	84-22	85-60	11.29
8	84-28	85-12	11.26
9	84-22	85-60	11.29
10	84-22	85-60	11.29
11	84-10	84-26	11.35
14	84-60	84-22	11.38
15	83-30	84-14	11.42
16	84-00	84-16	11.41
17	81-70	81-23	11.08
18	82-26	83-10	11.63
21	81-30	82-14	11.79
22	82-11	82-27	11.71
23	82-19	83-30	11.67
24	81-21	82-50	11.84
25	81-90	81-25	11.91
28	81-13	81-29	11.89
29	80-26	81-10	12.01
30	80-14	81-30	12.08
31	80-25	81-90	12.00

FEBRUARY	Bid	Ask	Yield[1]
1	77-25	78-90	11.72
4	79-30	80-10	12.16
5	78-25	79-90	12.39
6	78-14	78-30	12.46
7	79-23	80-70	12.21
8	79-23	80-70	12.21
11	78-50	78-21	12.51
12	HOLIDAY		
13	78-50	78-21	12.51
14	77-18	78-20	12.63
15	76-50	76-21	12.92
18	HOLIDAY		
19	-70	73-23	13.54
20	-28	74-12	13.40
21	73-13	73-29	13.50
22	73-29	74-13	13.39
25	72-25	73-90	13.64
26	72-21	73-50	13.66
27	72-30	73-14	13.60
28	74-21	75-50	13.22
29	75-14	75-30	13.07

MARCH	Bid	Ask	Yield[1]
3	N/A		
4	74-16	75-00	13.26
5	74-40	74-20	13.34
7	72-22	73-60	13.66
7	73-13	73-29	13.50
10	74-17	75-10	13.26
11	75-50	75-21	13.12
12	73-28	74-12	13.40
13	74-21	75-50	13.23
14	74-19	75-30	13.24
17	74-70	74-23	13.32
18	74-15	74-31	13.27
19	74-27	75-11	13.19
20	74-13	74-29	13.28
21	74-10	74-17	13.36
24	72-80	72-20	13.75
25	72-90	72-25	13.75
26	72-18	73-20	13.68
27	73-10	73-26	13.52
28	73-26	74-10	13.40
31	74-11	74-27	13.30

APRIL	Bid	Ask	Yield[1]
1	74-12	74-28	13.29
2	74-00	74-16	13.37
3	74-80	74-24	13.32
4	HOLIDAY		
7	75-10	75-26	13.09
8	75-26	76-10	12.99
9	75-30	76-14	12.96
10	77-12	77-28	12.67
11	78-00	78-16	12.54
14	78-80	78-24	12.49
15	78-30	79-14	12.36
16	82-28	83-12	11.61
17	82-10	82-26	11.72
18	82-15	82-31	11.69
21	82-12	82-28	11.71
22	82-26	83-10	11.63
23	82-27	83-11	11.62
24	82-24	83-[illegible]	11.64
25	83-22	84-50	11.47
28	85-60	85-22	11.20
29	85-40	85-20	11.21
30	84-30	85-14	11.24

MAY	Bid	Ask	Yield[1]
1	86-18	87-20	10.96
2	88-14	88-30	10.64
5	88-10	88-26	10.67
6	89-60	89-22	10.52
7	89-24	90-80	10.43
8	88-00	89-16	10.72
9	88-20	89-18	10.71
12	87-80	87-24	10.84
13	87-28	88-12	10.74
14	NO LISTING		
15	NO LISTING		
16	87-00	87-16	10.89
19	85-30	86-14	11.07
20	87-40	87-20	10.87
21	87-24	88-80	10.76
22	87-22	88-60	10.77
23	88-29	89-13	10.57
26	HOLIDAY		
27	89-60	89-22	10.52
28	88-26	89-10	10.58
29	88-60	88-22	10.69
30	87-18	88-20	10.79

JUNE	Bid	Ask	Yield[1]
2	86-19	87-30	10.96
3	88-10	88-17	10.71
4	88-50	88-21	10.69
5	89-11	89-27	10.49
6	90-12	90-28	10.33
9	90-26	91-10	10.26
10	90-18	91-20	10.30
11	90-22	91-60	10.28
12	91-31	92-15	10.07
13	92-80	93-20	9.98
16	92-24	93-80	9.95
17	92-16	93-00	9.99
18	92-10	92-17	10.06
19	91-29	92-13	10.08
20	92-90	92-25	10.02
23	91-11	91-27	10.17
24	90-29	91-11	10.25
25	90-70	90-23	10.35
26	88-27	89-11	10.58
27	88-27	89-11	10.58
30	Unavailable from Source		

JULY	Bid	Ask	Yield[1]
1	87-16	88-10	10.80
2	87-25	88-90	10.75
3	88-90	88-25	10.67
4	HOLIDAY		
7	88-90	88-25	10.67
8	87-25	88-90	10.75
9	87-17	88-10	10.80
10	87-50	87-21	10.86
11	86-18	87-20	10.96
14	86-12	86-29	10.99
15	87-20	87-18	10.88
16	87-14	87-30	10.81
17	87-20	87-14	10.88
18	87-40	87-20	10.87
21	87-10	87-26	10.83
22	86-22	87-60	10.94
23	86-26	87-10	10.92
24	86-26	87-10	10.92
25	86-12	86-28	10.99
28	85-20	86-40	11.12
29	85-24	86-80	11.10
30	85-80	85-24	11.18
31	83-24	84-80	11.46

AUGUST	Bid	Ask	Yield[1]
1	84-40	84-20	11.39
4	84-80	84-24	11.37
5	84-80	84-24	11.37
6	83-28	84-12	11.43
7	83-28	84-12	11.43
8	83-20	83-18	11.58
11	81-30	82-14	11.79
12	81-30	82-14	11.79
13	82-20	82-18	11.76
14	82-20	82-18	11.76
15	82-16	83-00	11.68
18	81-60	81-22	11.93
19	80-22	81-60	12.02
20	80-30	81-14	11.97
21	80-30	81-14	11.97
22	81-20	81-18	11.95
25	80-22	81-60	12.02
26	80-22	80-28	12.08
27	79-10	79-26	12.28
28	78-14	78-30	12.46
29	79-20	79-18	11.33

SEPTEMBER	Bid	Ask	Yield[1]
1	HOLIDAY		
2	N/A		
3	N/A		
4	81-00	81-16	11.96
5	80-24	81-80	12.01
8	80-16	81-00	12.06
9	80-26	81-10	12.00
10	81-10	81-24	11.91
11	80-20	81-40	12.03
12	80-18	81-20	12.04
15	80-18	81-20	12.04
16	79-30	80-14	12.16
17	79-22	80-60	12.21
18	79-24	80-80	12.20
19	80-10	80-26	12.09
22	79-10	79-26	12.28
23	79-00	79-16	12.35
24			
25	78-12	78-28	12.47
26	77-22	78-60	12.61
29	77-40	77-20	12.72
30	77-22	78-26	12.61

OCTOBER	Bid	Ask	Yield[1]
1	78-60	78-22	12.51
2	78-20	78-18	12.53
3	79-22	8060	12.21
6	79-28	80-12	12.18
7	79-24	80-80	12.20
8	79-10	79-16	12.28
9	79-18	80-20	12.24
10	79-15	79-31	12.25
13	N/A		
14	80-30	80-19	12.13
15	80-12	80-28	12.08
16	79-20	80-40	12.22
17	82-40	82-12	11.63
20	78-14	78-30	12.46
21	78-12	78-28	12.47
22	77-24	78-80	12.59
23	N/A		
24	77-26	78-10	12.58
27	75-26	76-12	12.99
28	75-16	76-00	13.05
29	75-40	75-20	133.13
30	74-26	75-10	13.19
31	75-12	75-28	13.08

NOVEMBER	Bid	Ask	Yield[1]
3	75-70	75-23	13.11
4	ELECTION DAY		
5	74-22	75-60	13.22
6	73-80	73-24	13.53
7	74-28	75-12	13.18
10	78-25	79-90	13.54
11	N/A		
12	N/A		
13	78-10	78-26	13.06
14	74-16	75-00	13.26
17	74-00	74-16	13.37
18	75-20	75-18	13.14
19	N/A		
20	75-00	75-16	13.16
21	74-20	75-40	13.24
24	74-18	75-20	13.25
25	74-26	75-10	13.20
26	75-13	75-29	13.07
27	HOLIDAY		
28	N/A		

DECEMBER	Bid	Ask	Yield[1]
1	N/A		
2	74-50	74-21	13.34
3	N/A		
4	74-90	74-25	13.31
5	74-80	74-21	13.34
8	73-19	74-30	13.46
9	72-28	73-12	13.61
10	72-60	72-22	13.77
11	70-24	71-80	14.09
12	71-24	72-80	13.86
15	72-20	72-18	13.79
16	72-20	72-18	13.79
17	72-40	72-20	13.78
18	72-20	73-40	13.67
19	75-30	75-19	13.14
22	76-70	76-23	12.90
23	76-60	76-22	12.91
24	76-18	77-20	12.83
25	HOLIDAY		
26	76-26	77-10	12.78
29			
30	70-15	70-31	11.78
31	75-26	76-10	12.99

[1] Yield computed in ask quote
Source: Wall Street Journal

FNMA AUCTION RESULTS

Home Mortgage Commitments

DATE OF AUCTION 1980		Government Underwritten			Conventional		
		Amount (In Million of Dollars)		Average Yield	Amount (In Million of Dollars)		Average Yield
		Offered	Accepted		Offered	Accepted	
January	7	199.0	99.6	12.70	220.2	133.0	13.10
	21	317.0	132.2	13.11	222.9	114.2	13.29
February	4	525.2	240.0	13.76	161.4	73.0	13.67
	19	644.2	323.7	15.21	250.7	74.8	14.57
March	3	535.4	178.1	15.26	324.4	73.4	13.67
	17	442.7	148.5	15.73	426.0	114.2	17.00
	31	289.2	99.5	15.93	168.2	52.3	17.51
April	14	284.8	110.9	15.18	81.3	41.7	16.91
	28	208.9	88.5	14.03	53.9	24.1	15.67
May	12	236.2	101.0	13.16	120.0	53.4	13.81
	28	372.5	113.1	12.59	159.7	55.7	13.27
June	9	333.1	146.1	12.42	110.1	43.4	13.05
	23	269.4	120.4	12.28	59.6	32.6	12.81
July	7	629.0	256.3	12.53	107.4	58.4	12.76
	21	426.6	174.0	12.78	121.3	82.5	12.84
August	4	643.1	354.6	13.58	204.9	106.7	13.31
	18	420.2	273.5	14.26	225.5	112.1	14.00
September	2	324.4	183.0	14.41	120.5	71.0	14.19
	15	224.5	136.4	14.60	103.9	67.9	14.29
	29	358.1	218.5	15.30	123.3	70.9	14.86
October	13	196.3	118.3	14.50	28.9	61.9	14.47
	27	231.5	139.4	15.30	78.7	46.4	14.92
November	10	126.3	63.6	15.57	51.8	47.5	15.25
	24	125.7	72.0	15.49	29.8	21.3	15.35
December	8	92.7	51.9	15.50	56.1	34.1	15.65
	22	145.4	58.9	14.92	28.7	20.0	15.43

Average secondary market yields are gross before deduction of the fee of 38 basis points for mortgage servicing. They reflect the average accepted bid yield for home mortgages assuming a prepayment period of 12 years for 30-year loans, without special adjustment for Federal National Mortgage Association (FNMA) commitment fees and FNMA stock purchase and holding requirements on 4-month commitments. Mortgage amounts offered by bidders relate to total eligible bids received.

Source: Capital Market Development

Government National Mortgage Association (GNMA) Certificate Delivery (CD)

Trading Conditions

2001.00 Authority
2002.01 Application of Regulation
2004.01 Unit of Trading
2005.01 Months Traded In
2006.01 Price Basis
2007.01 Hours of Trading
2008.01 Trading Limits
2008.01A Trading Limits
2009.01 Last Day of Trading
2009.02 Liquidation During the Delivery Month
2010.01 Margin Requirements

Delivery Procedures

2036.01 Standards
2036.01A Deliverable Grade
2042.01 Deliveries of Futures Contracts
2047.00 Delivery Notice
2047.01 Delivery Notices
2047.02 Notice of Intention to Deliver
2048.00 Method of Delivery
2049.00 Time of Delivery, Payment, Form of Delivery Notice
2049.02 Buyers' Report of Eligibility to Receive Delivery
2049.03 Sellers' Invoice to Buyers
2049.04 Payment
2049.05 Invoicing
2050.00 Duties of Members
2051.01 Office Deliveries Prohibited
2054.00 Failure to Accept Delivery

Regularity of Agents

2080.01 Duties of the Agent
2080.02 Appointment of Agent

* These Rules and Regulations were current as of January 1, 1981 when this book went to press. Since amendments are often made to these rules, please contact the Chicago Board of Trade or a firm which is a member of the Chicago Board of Trade before relying on the rules and regulations published in this book.

GOVERNMENT NATIONAL MORTGAGE ASSOCIATION (GNMA) CERTIFICATE DELIVERY (CD)

Trading Conditions

2001.00 Authority—(See 1701.00 in GNMA-CDR Section)

2002.00 Application of Regulation—Futures transactions in Mortgage-Backed Certificates guaranteed by the Government National Mortgage Association shall be subject to the general rules of the Exchange as far as applicable and shall also be subject to the regulations contained in this chapter, which are exclusively applicable to trading in Mortgage-Backed Certificates guaranteed by the Government National Mortgage Association hereinafter called GNMA.

2004.01 Unit of Trading—The Unit of trading for GNMA shall be $100,000 principal balance or multiples thereof.

2005.01 Months Traded—Trading in GNMAs may be conducted in the current month and any subsequent months as determined by the Financial Instruments Committee or the Board.

2006.01 Price Basis—Minimum price fluctuations shall be in increments of one thirty-second (1/32) point per 100 points ($31.25) per contract). Par shall be on the basis of 100 points. Contracts shall not be made on any other price basis.

2007.01 Hours of Trading—The hours of trading for future delivery in GNMA-CD shall be determined by the Board. On the last day of trading in an expiring future, the closing time for such future shall be 12:00 noon subject to the provision of the second paragraph of Rule 1007.00. The market shall be opened and closed with a public call made month by month, conducted by such persons as the Pit Committee or the Board shall direct. (See 1708.01 in GNMA-CDR Section).

2008.01A Trading Limits—See 1708.01A in GNMA-CDR Section.)

2009.01 Last Day of Trading—The last day of trading in GNMA futures contracts deliverable in the current month shall be five business days prior to delivery day (Regulation 2042.01).

2009.02 Liquidation During the Delivery Month—After trading in contracts for future delivery in the current delivery month has ceased in accordance with Regulation 2009.01 of this chapter, outstanding contracts for such delivery may be liquidated by the delivery, on delivery day, of GNMA certificates meeting the standards prescribed in Regulation 2036.01, or by mutual agreement by means of a bona fide exchange of such current futures of GNMA certificates or a comparable instrument. Such exchange must, in any event, be made no later than noon (1:00 p.m. EST) on the fourth business day prior to delivery day. Further, the long Clearing Member shall transmit to the Clearing Corporation on the fourth business day prior to delivery day by 8:00 p.m. (9:00 p.m. EST), in addition to other date normally submitted, the position of each and every long customer and the house long position.

2010.01 Margin Requirements—Margin requirements shall be as determined by the Board by regulation. (See 1710.01 in GNMA-CDR Section).

Delivery Procedures

2036.01 Standards—

(a) The contract grade for delivery on futures contracts made under these regulations shall be single-family Mortgage-Backed Certificates guaranteed for the timely payment of principal and interest by the Government National Mortgage Association as described in the standard prospectus form HUD-1717, commonly known as Modified Pass-Through certificates (GNMA). Deliveries shall be priced on the basis of a designed coupon. Initially, the stated designated interest rate for all months shall be 8%. This rate may be changed at the discretion of the Board, should market conditions warrant.

(b) Coupons which may be delivered against a futures contract in a given delivery month shall be designated as follows:

(1) Any coupon at or below the current production rate is deliverable. If the current production rate is lower than the previous production rate, then the previous production rate is also deliverable through the next three months following the month in which the production rate was lowered.

(2) The above is subject to the provision that no substitution of coupon is made for any delivery date until forty-five (45) days have transpired after the

effective date of the rate change. That is, if the current production rate is changed, certificates bearing the new coupon rate are not deliverable on the Board of Trade futures contract until 45 days after the new coupon rate is in effect. The one exception to this rule will be the delivery of a new issue dated and issued after the date of record of the rate change and bearing the new rate.

(c) GNMAs delivered shall be adjusted as to price to provide for firm yield maintenance on the basis of the Exchange designated coupon interest rate when calculated at the settlement price on the last day of trading under assumption of 30-year mortgage prepaid in 12 years.

(Calculations on such deliveries shall be made as follows:

The price at which the delivered GNMA yields the same as an 8% GNMA is found in Standard net yield tables for GNMA mortgage-backed securities as published by the Financial Publishing Company of Boston, Mass. If the Yield and price fall between two quoted prices (i.e., an increment less than 1/32nd), the price should be interpolated linearly).[1]

2036.01A Deliverable Grade—Resolved, that the Board hereby interprets Regulation 2036.01 not to include GNMA securities including FHA-VA Builder operative Loans (builder Loans) issued as of April 18, 1980.

Further resolved, that pursuant to said interpretation, the board hereby directs that GNMA securities representing "builder loans" may not be delivered in satisfaction of a GNMA-CD contract.

And further resolved, that the Board directs that upon tender of GNMA securities, the seller shall be deemed to warrant that such GNMA securities comply with the standards set forth in the regulation.

2042.01 Deliveries of Futures Contracts—Deliveries against GNMA futures contracts shall be by actual GNMA certificates meeting the standards prescribed by Regulation 2036.01.

Interest accrued on the GNMAs delivered shall be charged to the long Clearing Member by the short Clearing Member prorated from the first day of the delivery month to the date of delivery of the GNMAs.

Delivery day shall be the sixteenth of the delivery month, unless the sixteenth is a:

(1) Friday—In which case delivery day shall be the first business day prior to the sixteenth, or

(2) Weekend Day—In which case delivery day shall be the first business day prior to the Friday before the weekend.

(3) Holiday—In which case delivery day shall be the first business day prior to the holiday. If that first business day prior to holiday is a Friday, then delivery day shall be the first business day prior to that Friday.

All deliveries must be made through and assigned by the Clearing Corporation. Where a commission house as a member of the Clearing Corporation has an interest both long and short for customers on its own books, it must tender to the Clearing Corporation such notices of intention to deliver as it received from its customers who are short.

[1]For example, delivery of 8% GNMA at a price of 99 4/32 results in a yield of 8.075% if the deliverer proposed to deliver 7½ GNMAs rather than 8s, the price of the contract would have to be adjusted to maintain a yield of 8.075%. The yield tabla shows that 7½% GNMAs yield 8.077% at 95½ and 8.073% at 95 17/32. Interpolating linearly, 7½s will yield 8.075 at price of $95 33/64 or 95,515.62 per $100,000 contract.

By noon (1:00 p.m. EST) on delivery day, the Agent shall deposit funds into an account designated by the short Clearing Member and transfer the GNMAs to the long Clearing Member or his designate.

Deliverers shall deliver no more than one pool of current deliverable grade of GNMA certificates per contract delivered and shall deliver certificates in such face amount and remaining principal balance that the Agent can break the certificates into contract size pieces, (i.e. face amounts that can be broken into individual contract size pieces that meet GNMAs requirements for minimum increments of face amount and minimum size for tail pieces as well as meeting the remaining principal balance requirements on a per contract basis). A maximum delivery variance of ± 2.499999% remaining principal balance of the aggregat: face value for each contract deliverable will be permitted on a per contract basis. 4042

2047.00 Delivery Notice—(See 1747.00 in GNMA-CDR Section.)

2047.02 Delivery Notices—(See 1747.01 in GNMA-CDR Section.)

2047.02 Notice of Intention to Deliver—Position day (the day on which notice is given) shall be three business days prior to delivery day. Any short who has an open position on position day will be required to deposit the requisite amount of GNMA certificates with the AGENT by 2:00 p.m. (3:00 p.m. EST) on position day. The Chicago Board of Trade will transmit open interest information to the Agent by 10:00 a.m. (11:00 a.m. EST) on position day. Such information will include the name of all short and long Clearing Members, and the open positions of each short and long.

2948.00 Method of Delivery—(See 1748.00 in GNMA-CDR Section.)

2049.00 Time of Delivery, Payment, Form of Delivery Notice—(See 1749.02 in GNMA-CDR Section.)

2049.02 Buyers' Report of Eligibility to Receive Delivery—(See 1749.02 in GNMA-CDR Section.)

2049.03 Sellers' Invoice to Buyers—(See 1749.03 in GNMA-CDR Section.)

2049.04 Payment—Payment shall be made in federal funds. The long must deposit the funds with the Agent by 10:00 a.m. (11:00 a.m. EST) on delivery day.

2049.05 Invoicing—The Agent will match the long and short positions by noon on service day, the business day prior to delivery day, and will send to each long and short his respective matching. The short Clearing Member shall invoice the Long Clearing Member (and send a copy to the Agent) before 3:00 p.m. (4:00 p.m. EST) on service day. The Invoice will include the following information: the coupon(s) of the GNMAs being delivered, the pool number(s), the factor, the prorated interest payment charged by the short to the long, the invoice amount. In the event the long does not agree with the terms of the invoice received from the short, the long must notify the short, and the dispute must be settled before the start of business on delivery day.

2050.00 Duties of Members—(See 1750.00 in GNMA-CDR Section.)

2051.00 Office Deliveries Prohibited—(See 1751.00 in GNMA-CDR Section.)

2054.00 Failure to Accept Delivery—(See 1759.00 in GNMA-CDR Section.)

Regularity of Agents

2080.01 Duties of the Agent—The Agent will be responsible for:

(a) holding GNMAs for future delivery and funds for payment of future delivery of GNMAs and keeping accounting records of futures transactions;

(b) transferring the funds and GNMAs by noon on delivery day;

(c) breaking down and reregistering, when necessary, for delivery to the long Clearing Member or his designate such GNMAs required for deliveries on Chicago Board of Trade futures contract;

(d) matching the longs and shorts and transmitting a copy of the matching to each long and short.

2080.02 Appointment of Agent—

The Chemical Bank and Trust Company
GNMA Department
New York City, New York

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jan	March 1980 Open	High	Low	Close	June 1980 Open	High	Low	Close	September 1980 Open	High	Low	Close
1	HOLIDAY											
2	78-00	78-00	77-09	79-09a	78-27	78-27h	78-07	78-07a	79-14	79-23	79-11	79-11a
3	76-24	77-15	76-20	77-07b	77-14	78-07	77-14	78-07				79-11n
4	77-08	77-10	76-28	76-28	78-00	78-00	77-16	77-23b	79-03	79-04	78-31	78-31a
7	76-24	76-31	76-24	76-31b	77-14	77-24	77-08	77-24				79-31n
8	77-10	77-25	77-05	77-21a	77-29	78-12	77-24	78-11b				79-20n
9	77-17	77-20	77-10	77-13a	78-14	78-14	77-30	78-00a	79-13	79-13	79-13	79-13
10	77-15	78-01h	77-15	77-30b	78-04	78-18	78-04	78-15a	79-15	79-27h	79-15	79-27b
11	77-15	77-17	76-31	77-00a	78-00	78-00	77-16	77-17a	79-03	79-05	78-27	78-27a
14	76-27	77-05	76-22	76-30a	77-08	77-26	77-08	77-14a	78-25	78-25	78-24	78-24
15	77-00	77-00	76-22	76-29b	77-23	77-23	77-09	77-13b	78-25	78-25	78-22	78-22
16	76-22	76-29	76-22	76-29b	77-07	77-16	77-07	77-16b				78-26n
17	76-31	77-00	76-07	76-07a	77-20	77-20	76-25	76-28b				78-05n
18	75-08	75-23	75-08	75-19b	76-03	76-07	75-29	76-02a				77-14n
21	75-08	75-08	74-21	74-25	75-09	75-09	74-24	74-26b	76-08	76-09	76-00	76-00a
22	75-06	75-14	75-06	75-14b	75-06	75-22	75-06	75-22b	76-20	76-20	76-10	76-10a
23	75-16	75-20	75-14	75-15b	75-21	75-30	75-21	75-30b	76-20	76-20	76-20	76-20
24	75-00	75-00	74-14	74-20a	75-00	75-02	74-25	74-28a	75-23	75-23	75-23	75-23
25	73-30	74-18	73-30	74-18	74-14	74-16	74-01	74-05a				75-05n
28				74-05n	73-28	74-02	73-28	73-31a				74-21n
29	74-02	74-04	73-06	73-06a	74-07	74-10	73-06	73-06a				74-03n
30	73-00	73-12	72-30L	73-05h	73-00	73-15	72-25L	73-00b	73-25	74-10	73-25L	73-25a
31	73-20	73-20	73-14	73-14a	73-15	73-28	73-10	73-10a				74-09n

Jan	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close
1	HOLIDAY											
2				80-04n				79-30n				79-25n
3				80-06n				80-01n				79-28n
4				79-21n				79-18n				79-13n
7				79-25n				79-19n				79-15n
8				80-15n				80-12n				80-08n
9				80-08n				80-05n				79-31n
10				80-19n				80-14n				80-11n
11				79-25n				79-21n				79-16n
14				79-23n				79-22n				79-16n
15	79-07	79-23h	79-07	79-23				79-21n				79-14n
16	79-12	79-17	79-12	79-17b				79-27n				79-23n
17				79-09n				79-16n				79-13n
18				78-08n				78-17n				78-14n
21				77-06n				77-22n				77-18n
22				77-18n				78-04n				78-02n
23				77-29n				78-10n				78-08n
24				77-08n				77-20n				77-20n
25				76-22n				77-04n				77-07n
28				76-06n				76-24n				76-22n
29				75-16n				76-03n				76-03n
30	75-15	75-15	75-04L	75-04a				75-25n				75-26n
31	75-10	75-16	75-10	75-14a				76-00n				76-02n

Jan	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close
1	HOLIDAY											
2				79-19n				79-09n				79-02n
3				79-21n				79-14n				79-06n
4				79-07n				78-31n				78-21n
7				79-09n				79-01n				78-24n
8				80-02n				79-25n				79-16n
9				79-23n				79-15n				79-10n
10				80-05n				79-29n				79-22n
11				79-11n				79-03n				78-27n
14				79-10n				79-04n				78-28n
15				79-09n				79-01n				78-25n
16				79-16n				79-11n				79-04n
17				79-08n				79-01n				78-26n
18				78-08n				78-04n				77-29n
21				77-14n				77-07n				77-03n
22				77-30n				77-24n				77-19n
23				78-09n				77-30n				77-27n
24				77-16n				77-11n				77-10n
25				77-04n				76-26n				76-26n
28				76-22n				76-22n				76-19n
29				76-00n				75-30n				75-27n
30				75-26n				75-23n				75-19n
31				76-00n				75-29n				75-26n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

June 1982

Jan	Open	High	Low	Close
1	HOLIDAY			
2				78-23n
3				78-30n
4				78-15n
7				78-16n
8				79-07n
9				79-02n
10				79-15n
11				78-20n
14				78-19n
15				78-18n
16				78-29n
17				78-19n
18				77-23n
21				76-29n
22				77-13n
23				77-22n
24				77-07n
25				76-25n
28				76-19n
29				75-23n
30				75-18n
31				75-24n

C.D. GNMA Volume of Sales

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	HOLIDAY										
2	147	16	5								168
3	518h	97h									615h
4	119	37	6								162
7	13	64									77
8	49	97									146
9	27	52	18								97
10	122	93	7								222
11	139	16	1L								156
14	48	18	3								69
15	5L	61	7	14							87
16	90	32		10							132
17	128	16									144
18	251	37									288
21	227	20	15								262
22	5	32	22h								59
23	20	28	1								49
24	95	21	5								121
25	134	61									195
28		5L									5L
29	42	16									58
30	40	8	10	5L							63
31	5	40		45h							90
Total	2,224	867	100	74							3,265

C.D. GNMA Open Contracts

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	HOLIDAY										
2	2,219h	1,457L	240	180L	48h	1h	90h	124h	13h	1h	4,373h
3	2,009	1,515	240	180	48	1	90	124	13	1	4,221
4	1,933	1,523	238L	180	48	1	90	124	13	1	4,151
7	1,922	1,527	238	180	48	1	90	124	13	1	4,144
8	1,912	1,516	238	180	48	1	90	124	13	1	4,123
9	1,888	1,514	241	180	48	1	90	124	13	1	4,100
10	1,930	1,556	245h	180	48	1	90	124	13	1	4,188
11	1,844	1,549	245	180	48	1	90	124	13	1	4,095
14	1,839	1,541	242	180	48	1	90	124	13	1	4,079
15	1,834	1,593h	240	192	48	1	90	124	13	1	4,136
16	1,864	1,572	240	202h	48	1	90	124	13	1	4,155
17	1,830	1,578	240	202	48	1	90	124	13	1	4,127
18	1,718	1,564	240	202	48	1	90	124	13	1	4,001
21	1,580	1,544	240	202	48	1	90	124	13	1	3,843
22	1,576	1,523	245	202	48	1	90	124	13	1	3,823
23	1,506	1,529	245	202	48	1	90	124	13	1	3,759
24	1,431	1,523	245	202	48	1	90	124	13	1	3,678
25	1,354	1,500	245	202	48	1	90	124	13	1	3,578
28	1,354	1,500	245	202	48	1	90	124	13	1	3,578
29	1,339	1,495	245	202	48	1	90	124	13	1	3,558
30	1,309L	1,490	245	202	48	1	90	124	13	1	3,523
31	1,309	1,474	245	202	48	1	90	124	13	1	3,507L

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

March 1980

Feb	Open	High	Low	Close
1	73-06	73-06	72-25	72-27b
4	72-20	72-20	72-16	72-16b
5	72-19	72-19	71-11	71-11a
6	70-20	71-20	70-15	71-14a
7				72-09n
8	73-15	73-20h	72-04	72-16b
11	71-28	71-28	71-10	71-13b
12	71-06	71-06	70-20	70-20a
13	71-04	71-11	70-28	71-11b
14	71-29	71-29	70-25	71-05b
15	70-17	70-20	70-10	70-13a
18	HOLIDAY			
19	68-17	68-17	68-13	68-13a
20	68-10	68-19	68-03	68-09b
21	68-09	68-09	67-10	67-10a
22	67-00	69-10	66-28L	68-30b
25	67-30	67-30	67-25	67-25a
26	67-00	67-12	66-28	67-12b
27	67-20	68-10	67-10	67-10a
28	67-20	69-10	67-20	69-10
29	68-25	68-25	68-03	68-28b

June 1980

Open	High	Low	Close
73-00	73-12h	72-20	72-22b
72-15	72-15	72-03	72-04b
72-06	72-06	71-00	71-00a
70-07	71-04	69-27	70-28a
70-21	72-05	70-20	71-27a
73-05	73-10	71-10	71-16b
71-12	71-12	70-13	70-13a
70-06	70-06	69-20	69-24b
69-28	70-15	69-28	70-14b
71-00	71-05	70-08	70-18b
69-16	69-16	69-14	69-14a
			67-14n
67-12	67-20	67-02	67-09b
67-12	67-12	66-00	66-02b
65-26	68-02	65-26L	67-26b
			66-23n
66-17	66-23	66-05	66-23b
67-03	67-07	66-00	66-00a
67-00	68-00	67-00	68-00b
68-00	68-20	67-18	67-27

September 1980

Open	High	Low	Close
			73-19n
73-05	73-05h	72-28	72-28a
			71-20n
70-30	71-11	70-02	71-11b
			72-16n
			72-08n
			70-24n
70-18	70-18	70-00	70-00a
70-18	71-00	70-18	71-00b
71-10	71-10	70-23	70-31b
			69-28n
			67-28n
			67-18n
			66-11n
67-24	68-04	67-24	68-04b
67-16	67-16	67-01	67-01a
66-16	67-07	66-16L	67-07b
67-00	68-00	66-30	67-00a
68-12	69-00	68-12	69-00b
			69-22n

December 1980

Feb	Open	High	Low	Close
1	75-00	75-00h	74-26	74-26a
4	74-05	74-05	73-29	73-29a
5				72-16n
6				72-10n
7	72-03	73-05	72-03	73-05b
8				72-25n
11				71-20n
12				70-23n
13				71-20n
14				71-19n
15				70-14n
18	HOLIDAY			
19				68-14n
20				68-05n
21	67-10	67-10	67-00L	67-00a
22				68-21n
25				67-10n
26				67-12n
27				67-06n
28				69-06n
29				69-30n

March 1981

Open	High	Low	Close
			75-10n
			74-23n
			73-05n
			72-28n
			73-25n
			73-12n
			72-05n
			71-14n
			72-10n
			72-08n
			71-08n
			69-08n
			68-27n
			67-20n
			69-10n
			67-27n
			67-29n
			67-22n
			69-22n
			70-11n

June 1981

Open	High	Low	Close
			75-13n
			74-26n
			73-08n
			72-31n
			73-28n
			73-15n
			72-07n
			71-17n
			72-15n
			72-12n
			71-13n
			69-13n
			69-00n
			67-22n
			69-13n
			68-00n
			68-01n
			68-00n
			70-00n
			70-18n

September 1981

Feb	Open	High	Low	Close
1				75-11n
4				74-21n
5				73-03n
6				72-27n
7				73-24n
8				73-10n
11				72-05n
12				71-17n
13				72-18n
14				72-11n
15				71-11n
18	HOLIDAY			
19				69-11n
20				69-01n
21				67-20n
22				69-13n
25				68-00n
26				68-00n
27				68-00n
28				70-00n
29				70-20n

December 1981

Open	High	Low	Close
			75-08n
			74-17n
			73-00n
			72-22n
			73-17n
			73-10n
			71-29n
			71-13n
			72-10n
			72-08n
			71-08n
			69-08n
			68-27n
			67-22n
			69-11n
			67-31n
			67-28n
			67-30n
			69-30n
			70-18n

March 1982

Open	High	Low	Close
			75-08n
			74-15n
			72-31n
			72-20n
			73-18n
			73-04n
			71-31n
			71-05n
			72-12n
			72-06n
			71-08n
			69-08n
			68-24n
			67-18n
			69-10n
			67-30n
			67-26n
			67-30n
			69-30n
			70-16n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds of Par

June 1982

Feb	Open	High	Low	Close
1				75-02n
4				74-08n
5				72-25n
6				72-20n
7				73-15n
8				73-02n
11				71-28n
12				71-14n
13				72-10n
14				72-01n
15				71-04n
18	HOLIDAY			
19				69-04n
20				68-27n
21				67-15n
22				69-07n
25				67-28n
26				67-23n
27				67-24n
28				69-21n
29				70-15n

C.D. GNMA Volume of Sales

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	7	6		1L							14
4	94	100	3	30h							227
5	161h	23									184
6	58	42	6								106
7		21		5							26
8	121	6									127
11	13	5									18
12	22	15	15								52
13	32	6	30								68
14	52	69	10								131
15	43	1L									44
18	HOLIDAY										
19	8										8L
20	35	23									58
21	15	11		1							27
22	32	47	1L								80
25	14		10								24
26	20	33	10								63
27	95	105	40h								240h
28	75	46	38								159
29	2L	148h									150
Total	899	707	363	37							1,806

C.D. GNMA Open Contracts

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	1,306h	1,469h	245	202L	48h	1h	90h	124h	13h	1h	3,499h
4	1,296	1,393	244	202	48	1	90	124	13	1	3,412
5	1,211	1,386	244	202	48	1	90	124	13	1	3,320
6	1,155	1,381	245	202	48	1	90	124	13	1	3,260
7	1,155	1,372	245	207h	48	1	90	124	13	1	3,256
8	1,040	1,372	245	207	48	1	90	124	13	1	3,141
11	1,028	1,372	245	207	48	1	90	124	13	1	3,129
12	1,006	1,372	242	207	48	1	90	124	13	1	3,104
13	996	1,367	222	207	48	1	90	124	13	1	3,069
14	964	1,351	212	207	48	1	90	124	13	1	3,011
15	942	1,350	212	207	48	1	90	124	13	1	2,988
18	HOLIDAY										
19	947	1,350	212	207	48	1	90	124	13	1	2,993
20	934	1,344	212	207	48	1	90	124	13	1	2,974
21	930	1,344	212	207	48	1	90	124	13	1	2,970
22	911	1,347	212	207	48	1	90	124	13	1	2,954
25	900	1,347	202	207	48	1	90	124	13	1	2,933
26	880	1,327	200L	207	48	1	90	124	13	1	2,891
27	760	1,282L	240	207	48	1	90	124	13	1	2,766
28	692L	1,292	257h	207	48	1	90	124	13	1	2,725L
29	693	1,293	257	207	48	1	90	124	13	1	2,727

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

March 1980

Mar	Open	High	Low	Close
3	67-28	67-28h	67-08	67-19
4	67-19	67-23	67-19	67-23b
5	67-08	67-15	67-08	67-15
6	66-31	66-31	66-12	66-12a
7	66-10	66-10	65-13L	65-13
10				
11				
12				
13				
14				
17				
18				
19				
20				
21				
24				
25				
26				
27				
28				
31				

June 1980

Open	High	Low	Close	
67-23	67-23	67-00	67-06b	
67-00	67-17	66-24	67-10a	
67-02	67-03	66-31	66-31a	
66-10	66-12	65-15	65-26b	
65-09	66-19	65-09	66-07a	
67-05	68-00	67-03	67-20	
68-01	68-05	67-20	68-00a	
67-00	67-08	66-26	66-27b	
66-18	67-08	66-15	67-08a	
67-07	67-08	66-29	66-29	66-30
66-06	67-24	66-06	67-24a	
67-26	68-12h	67-04	67-04a	
			67-12n	
67-24	67-25	66-14	66-25a	
66-16	66-22	66-10	66-20	
65-28	65-28	64-24L	64-28	
65-10	65-11	65-00	65-00	
			65-29n	
66-00	66-00	65-23	65-30b	
66-20	67-10	66-20	67-10b	
66-30	66-30	66-22	66-30	

September 1980

Open	High	Low	Close
			68-20n
68-20	68-20h	67-28	68-06a
67-26	67-26	67-26	67-26
67-04	67-10	66-15	66-20b
65-28	66-27	65-24	66-21a
67-00	68-10	67-00	68-06b
68-11	68-11	67-31	68-06b
67-26	67-26	67-17	67-17a
66-28	67-24	66-28	67-24b
			67-23n
66-15	68-00	66-15	68-00a
			67-12n
			67-21n
67-04	67-07	67-00	67-00a
66-16	66-27	66-16	66-27b
65-01	65-01	64-30L	64-30a
			65-00n
66-08	66-12	65-20	65-20
65-13	65-24	65-08	65-21b
66-10	66-24	66-10	66-24b
			66-28n

December 1980

Mar	Open	High	Low	Close
3	68-30	68-30	68-30	68-30
4				69-04n
5	68-30	69-00	68-22	68-22a
6				67-18n
7	67-02	68-16	67-01L	68-09a
10				70-00n
11	70-09	70-09h	69-26	69-26a
12				69-06n
13	69-07	70-00	69-04	70-00b
14				69-27n
17				70-10n
18				69-27n
19				70-05n
20				69-11n
21				69-08n
24				67-08n
25				67-10n
26				68-09n
27				68-04n
28				69-00n
31				69-09n

March 1981

Open	High	Low	Close
			69-15n
			69-25n
			69-12n
			68-19n
			68-29n
			70-00n
			71-16n
71-05	71-05h	70-20L	70-20a
			71-00n
			70-29n
			71-22n
			71-00n
			71-07n
			70-15n
			70-12n
			68-12n
			68-12n
			69-09n
			69-03n
			69-26n
			70-04n

June 1981

Open	High	Low	Close
			69-25n
			70-02n
			69-26n
			69-15n
			69-27n
			71-25n
			72-00n
			71-00n
			71-16n
			71-15n
			72-11n
			71-22n
			71-30n
			71-10n
			71-06n
			69-06n
			69-05n
			70-01n
			69-27n
			70-16n
			70-19n

September 1981

Mar	Open	High	Low	Close
3				69-28n
4				70-03n
5				70-02n
6				70-00n
7				70-14n
10				72-01n
11				72-10n
12				71-12n
13				71-28n
14				71-24n
17				72-20n
18				72-04n
19				72-07n
20				71-22n
21				71-19n
24				69-19n
25				69-19n
26				70-16n
27				70-09n
28				70-20n
31				70-23n

December 1981

Open	High	Low	Close
			69-24n
			70-01n
			70-03n
			70-12n
			70-20n
			72-08n
			72-20n
			71-20n
			72-01n
			71-31n
			72-28n
			72-10n
			72-15n
			71-30n
			71-27n
			69-27n
			69-28n
			70-25n
			70-17n
			70-20n
			70-23n

March 1982

Open	High	Low	Close
			69-24n
			70-02n
			70-05n
			70-18n
			70-24n
			72-15n
			72-18n
			72-00n
			72-08n
			72-06n
			73-04n
			72-13n
			72-23n
			72-02n
			71-31n
			69-31n
			70-00n
			70-29n
			70-19n
			70-20n
			70-23n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

June 1982

Mar	Open	High	Low	Close
3				69-20n
4				69-30n
5				70-07n
6				70-22n
7				70-29n
10				72-19n
11				72-24n
12				71-24n
13				72-14n
14				72-14n
17				73-07n
18				72-16n
19				72-27n
20				72-04n
21				72-03n
24				70-03n
25				70-10n
26				70-28n
27				70-20n
28				70-20n
31				70-23n

C.D. GNMA Volume of Sales

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
3	95h	45		1L							141h
4	44	43	26								113
5	48	5	12	10							75
6	11L	21	40								72
7	11	24	41	40h							116
10		35	53								88
11		28	1L	6							35
12		123h	1		4h						128
13		19	96h	3							118
14		32									32
17		24	14								38
18		103									103
19											
20		12	5								17
21		13	13								26
24		8	5								13
25		8									8
26			31								31
27		1L	5								6L
28		26	26								52
31		18									18
Total	209	588	369	60	4						1,230

C.D. GNMA Open Contracts

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
3	655h	1,319	257	207	48h	1h	90h	124h	13h	1h	2,715
4	655	1,355	244	207	48	1	90	124	13	1	2,738h
5	510	1,351	243	217h	48	1	90	124	13	1	2,598
6	509	1,331	223	217	48	1	90	124	13	1	2,557
7	499L	1,319	243	197	48	1	90	124	13	1	2,535
10	499	1,342	236	197	48	1	90	124	13	1	2,551
11	499	1,337	216L	198	48	1	90	124	13	1	2,527
12	499	1,309L	216	198	48	1	90	124	13	1	2,499
13	499	1,319	261	195	48	1	90	124	13	1	2,551
14		1,322	261	195	48	1	90	124	13	1	2,055L
17		1,324	274	195	48	1	90	124	13	1	2,070
18		1,361	274	195	48	1	90	124	13	1	2,107
19		1,361	274	195	48	1	90	124	13	1	2,107
20		1,355	274	195	48	1	90	124	13	1	2,101
21		1,348	282h	195	48	1	90	124	13	1	2,102
24		1,350	277	195	48	1	90	124	13	1	2,099
25		1,350	277	195	48	1	90	124	13	1	2,099
26		1,350	257	195	48	1	90	124	13	1	2,079
27		1,351	262	194L	48	1	90	124	13		2,083
28		1,377	236	194	48	1	90	124	13		2,083
31		1,383h	236	194	48	1	90	124	13		2,089

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Apr	June 1980 Open	High	Low	Close	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close
1	66-26	67-11	66-26	67-11b				67-10b	69-10	69-10	69-10	69-10
2	67-00	67-04	66-00L	66-02a				66-00n				67-24n
3	66-02	66-20	66-00	66-18				66-29n	68-06	69-12	68-06L	69-04
4	HOLIDAY											
7	68-00	68-05	67-18	68-01b	67-08	68-20	67-08L	68-10b	71-04	71-04	70-20	70-20a
8	67-23	68-02	67-19	68-00	67-20	68-10	67-20	68-10b	70-15	70-24	70-15	70-24b
9	68-16	68-18	67-30	67-31a	68-26	68-26	68-12	68-15b				70-20n
10	68-00	69-00	67-31	68-31b				70-00n	69-31	72-00	69-31	71-24a
11	69-22	70-03	69-12	70-03b	69-27	70-20	69-27	70-20b	72-25	73-00	72-15	73-00b
14	70-06	70-18	69-20	69-20b	70-18	70-28	70-02	70-02a	72-30	73-10	72-18	72-18a
15	69-27	70-13	69-20	70-03b				70-25n	72-10	72-28	72-10	72-28b
16				72-03n	72-23	72-25	72-23	72-25b				74-28n
17	73-03	73-03	71-25	72-03b	73-25	73-25	72-16	72-27b	76-00	76-00	74-28	74-28a
18	72-04	72-04	71-10	71-30	71-31	72-20	71-31	72-20				74-25a
21	73-00	73-00	72-03	72-03a	73-30	73-30	72-30	72-30a	75-15	75-18	74-19	74-19a
22	72-00	73-00	72-00	72-22a	72-16	73-26	72-08	73-19a				75-03n
23	72-26	73-02	72-13	72-17b	73-19	73-30	73-10	73-15b	75-00	75-04	75-00	75-04b
24	71-29	72-12	71-28	72-02a	72-29	73-07	72-28	72-28a				74-15n
25	71-08	72-15	71-08	72-15b	72-07	72-24	72-07	72-24b	73-29	74-20	73-28	74-20b
28	74-08	74-15	74-08	74-15b				74-24n	76-20	76-20	76-20	76-20b
29	74-19	74-25h	74-06	74-09b	75-10	75-10h	75-00	75-00	76-26	76-26	76-11	76-11
30	74-10	74-17	74-08	74-17b	74-28	75-08	74-28	75-08b	76-26	76-27h	76-16	76-26b

Apr	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close	September 1981 Open	High	Low	Close
1				70-15n				71-07n				71-19n
2				69-00n				69-24n				70-03n
3				69-30n				70-16n				70-30n
4	HOLIDAY											
7				71-10n				71-24n				72-02n
8				71-18n				71-30n				72-06n
9				71-22n				72-03n				72-10n
10				73-00n				73-08n				73-10n
11				74-06n				74-16n				74-20n
14				73-21n				73-29n				74-01n
15				74-11n				74-20n				74-23n
16				76-17n				76-20n				76-23n
17	75-28	76-04h	75-28	76-02b				76-09n				76-09n
18	75-18	75-25	75-18L	75-25				76-00n				76-01n
21				75-17n				75-23n				75-24n
22	75-18	76-00	75-18	76-00b				76-00n				75-28n
23				75-30n				75-28n				75-24n
24				75-10n				75-12n				75-10n
25				75-04n				75-06n				75-06n
28				77-04n				77-06n				77-06n
29				76-22n				76-19n				76-16n
30				77-00n				76-30n				76-27n

Apr	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close	June 1982 Open	High	Low	Close
1				71-24n				71-26n				71-26n
2				70-07n				70-08n				70-07n
3				71-02n				71-02n				70-31n
4	HOLIDAY											
7				72-04n				72-03n				72-00n
8				72-07n				72-04n				72-01n
9				72-11n				72-08n				72-05n
10				73-10n				73-10n				73-04n
11				74-20n				74-17n				74-14n
14				74-01n				73-29n				73-25n
15				74-22n				74-18n				74-16n
16				76-22n				76-18n				76-15n
17				76-05n				76-01n				75-30n
18				75-28n				75-24n				75-20n
21				75-20n				75-16n				75-11n
22				75-24n				75-20n				75-16n
23				76-00n				75-28n				75-24n
24				75-08n				75-04n				75-02n
25				75-01n				74-29n				74-24n
28				77-01n				76-29n				76-24n
29				76-10n				76-03n				75-30n
30				76-22n				76-17n				76-12n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume of Sales

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	5L		1L							6L
2	32									32
3	35		35h							70
4	HOLIDAY									
7	56	6	2							64
8	78	13	3							94
9	44	5								49
10	73		30							103
11	79	20	2							101
14	26	21	23							70
15	83		2							85
16		20								20
17	87	19	2	1L						109
18	40	50h		1						91
21	34	36	2							72
22	14	12		10h						36
23	31	16	4							51
24	5	2L								7
25	109h	6	25							140h
28	24		5							29
29	51	16	10							77
30	15	6	6							27
Total	921	248	152	12						1,333

C.D. GNMA Open Contracts

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	1,383	236L	195L	48L	1h	90h	124h	13h		2,090
2	1,388	236	195	48	1	90	124	13		2,095
3	1,392h	236	199	48	1	90	124	13		2,103h
4	HOLIDAY									
7	1,355	242	199	48	1	90	124	13		2,072
8	1,360	252	202	48	1	90	124	13		2,090
9	1,359	247	202	48	1	90	124	13		2,084
10	1,283	247	232h	48	1	90	124	13		2,038
11	1,283	267	232	48	1	90	124	13		2,058
14	1,283	287	212	48	1	90	124	13		2,058
15	1,281	287	212	48	1	90	124	13		2,056
16	1,281	287	212	48	1	90	124	13		2,056
17	1,290	279	212	49	1	90	124	13		2,058
18	1,277	294	212	50	1	90	124	13		2,061
21	1,253	289	212	50	1	90	124	13		2,032
22	1,240	290	212	60h	1	90	124	13		2,030
23	1,232	295	208	60	1	90	124	13		2,023
24	1,235	295	208	60	1	90	124	13		2,026
25	1,221	295	213	60	1	90	124	13		2,017
28	1,207	295	218	60	1	90	124	13		2,008
29	1,215	294	212	60	1	90	124	13		2,009
30	1,205L	299h	208	60	1	90	124	13		2,000L

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

June 1980

May	Open	High	Low	Close
1	75-06	76-17	74-30L	75-29b
2	76-13	77-29	76-10	77-29b
5	79-03	79-29	78-20	78-20a
6				79-13n
7	80-10	80-20h	79-14	79-15
8	79-26	79-28	78-29	78-29a
9	78-00	78-30	77-10	78-11a
12	78-28	78-28	78-04	78-04a
13	78-00	78-22	78-00	78-15a
14	78-25	79-13	78-25	79-13b
15	77-16	77-16	77-13	77-13a
16	77-17	78-00	76-18	76-24
19	75-25	76-00	75-18	75-18a
20	76-00	77-13	76-00	77-13b
21	78-12	78-16	77-29	77-29a
22	77-22	78-06	77-19	77-22a
23	79-00	79-22	79-00	79-22b
26	HOLIDAY			
27	79-25	79-25	78-26	78-26a
28	78-10	78-10	78-10	78-10
29	78-13	78-15	77-05	77-05a
30	77-10	77-22	77-00	77-04a

September 1980

Open	High	Low	Close
77-00	77-00	76-25L	76-24b
77-19	78-15	77-18	78-15b
79-30	80-15	79-10	79-10a
			79-29n
80-26	81-02h	79-16	79-16a
79-20	79-30	78-28	78-28a
			78-10n
			77-31n
77-11	78-10	77-11	78-10b
78-30	79-18	78-22	79-18b
78-12	78-12	77-18	77-18a
78-05	78-10	76-28	77-02b
			75-21n
			77-18b
			77-31n
78-10	78-13	77-28	77-28a
79-20	79-28	79-15	79-28
80-05	80-05	79-06	79-06a
78-24	78-24	78-21	78-21a
78-24	78-24	77-04	77-10b
77-25	78-00	77-08	77-11a

December 1980

Open	High	Low	Close
77-16	78-26	77-16	78-08a
79-00	80-00	79-00	80-00b
			80-25n
			81-10n
82-18	82-19h	80-25	80-25a
			80-09n
80-00	80-10	78-29	79-31a
			79-15n
79-00	80-00	79-00	79-28a
80-14	80-30	80-14	80-30b
80-14	80-18	78-30	78-30a
78-25	78-25	78-04	78-12b
			76-31n
77-16	78-31	77-15L	78-27b
79-23	79-23	79-06	79-06a
79-00	79-08	/8-28	78-28a
			80-28n
81-05	81-05	80-02	80-02a
79-16	79-22	79-16	79-18a
			78-09n
78-17	78-17	78-02	78-05b

March 1981

May	Open	High	Low	Close
1				78-14n
2				80-00n
5				80-29n
6				81-13n
7				80-23n
8				80-05n
9				79-26n
12				79-11n
13				79-21n
14				80-25n
15				78-25n
16				78-08n
19				76-30n
20				78-25n
21				79-02n
22				78-21n
23				80-21n
26	HOLIDAY			
27				79-28n
28				79-15n
29				78-08n
30				78-06n

June 1981

Open	High	Low	Close
			78-12n
			79-30n
			80-25n
			81-09n
			80-18n
			79-26n
			79-21n
			79-07n
			79-15n
			80-19n
			78-19n
			78-03n
			76-26n
			78-19n
			78-27n
			78-14n
			80-14n
			79-18n
			79-06n
			78-01n
			78-00n

September 1981

Open	High	Low	Close
			78-08n
			79-24n
			80-20n
			81-04n
			80-20n
			79-18n
			79-15n
			79-00n
			79-09n
			80-12n
			78-12n
			77-29n
			76-21n
			78-12n
			78-20n
			78-07n
			80-06n
			79-10n
			78-31n
			77-26n
			77-26n

December 1981

May	Open	High	Low	Close
1				78-00n
2				79-18n
5				80-15n
6				80-30n
7				80-15n
8				79-12n
9				79-09n
12				78-26n
13				79-03n
14				80-05n
15				78-05n
16				77-22n
19				76-15n
20				78-05n
21				78-12n
22				78-00n
23				79-31n
26	HOLIDAY			
27				79-01n
28				78-24n
29				77-19n
30				77-20n

March 1982

Open	High	Low	Close
			77-28n
			79-10n
			80-08n
			80-24n
			80-08n
			79-07n
			79-03n
			78-21n
			78-26n
			79-30n
			77-30n
			77-16n
			76-09n
			77-30n
			78-04n
			77-26n
			79-25n
			78-27n
			78-17n
			77-13n
			77-14n

June 1982

Open	High	Low	Close
			77-22n
			79-06n
			80-03n
			80-18n
			80-01n
			79-00n
			78-28n
			78-14n
			78-20n
			79-24n
			77-24n
			77-11n
			76-03n
			77-24n
			77-29n
			77-17n
			79-16n
			78-20n
			78-11n
			77-07n
			77-08n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume of Sales

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	54	4	25							83
2	45	87h	10							142
5	45	16								61
6										
7	144h	1L	32							177h
8	38	22								60
9	19		35h							54
12	23									23
13	37	11	10							58
14	10	2	1L							13
15	10	1	5							16
16	17	1	20							38
19	10									10L
20	5		15							20
21	40		5							45
22	36	30	6							72
23	11	21								32
26	HOLIDAY									
27	10	3	13							26
28	2L	30	20							52
29	111	2								113
30	7	44	20							71
Total	674	275	217							1,166

C.D. GNMA Open Contracts

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	1,185	295h	228	60h	1h	90h	124h	13h		1,996
2	1,214h	273	237	60	1	90	124	13		2,012h
5	1,180	258	237	60	1	90	124	13		1,963
6	1,180	258	237	60	1	90	124	13		1,963
7	1,066	258	213L	60	1	90	124	13		1,825
8	1,092	278	213	60	1	90	124	13		1,871
9	1,073	278	213	60	1	90	124	13		1,852
12	1,050	278	213	60	1	90	124	13		1,829
13	1,032	278	213	60	1	90	124	13		1,811
14	1,032	278	213	60	1	90	124	13		1,811
15	1,032	278	213	60	1	90	124	13		1,811
16	1,032	277	223	60	1	90	124	13		1,820
19	1,032	277	223	60	1	90	124	13		1,820
20	1,032	277	235	60	1	90	124	13		1,832
21	1,037	277	230	60	1	90	124	13		1,832
22	1,042	258	225	60	1	90	124	13		1,813
23	1,046	257	225	60	1	90	124	13		1,816
26	HOLIDAY									
27	1,041	260	235	60	1	90	124	13		1,824
28	1,039	247	252h	60	1	90	124	13		1,826
29	1,011	247	252	60	1	90	124	13		1,798
30	1,004L	243L	252	60	1	90	124	13		1,787L

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jun	June 1980 Open	High	Low	Close	September 1980 Open	High	Low	Close		December 1980 Open	High	Low	Close
2	76-26	76-28	76-01L	76-12				76-14n					77-07n
3	77-00	77-28	77-00	77-28b	77-14	78-05	77-14	78-03a					78-24n
4	78-06	78-10	77-20	78-03b	78-27	78-31	78-15	78-24b		79-09	79-05	79-00	79-06b
5	78-16	78-18	78-09	78-18b	79-05	79-12	79-05	79-12b		79-12	79-21	79-12	79-21b
6	78-25	79-10	78-15	79-10b	79-20	80-12	79-18	80-07a		80-06	80-15	80-05	80-15b
9	79-23	80-00h	79-21	80-00	80-18	81-03	80-18	80-22a		81-06	81-06	80-16	80-16a
10					80-24	80-25	79-24	80-08		80-12	80-12	80-00	80-11b
11					80-13	80-20	80-12	80-16b					80-18n
12					80-19	80-29	79-27	80-29b		80-16	81-02	80-13	81-02b
13					81-29	81-29	81-06	81-15a		82-09	82-09	81-28	81-28a
16								81-16n					81-28n
17					81-13	81-13	80-19	80-20a					81-10n
18					80-15	80-20	80-01	80-01	80-15b				81-02n
19					80-29	81-10	80-17	80-20	80-17				81-15n
20					80-14	82-00h	80-14	81-18	81-14	81-18	82-12h	81-18	82-12b
23					81-10	81-12	80-00	80-00a					80-15n
24					80-14	80-20	79-25	80-00b		80-18	80-18	80-09	80-17b
25					79-28	79-30	79-14	79-20	79-30b	80-05	80-09	80-04	80-08b
26					80-05	80-05	79-04	79-04a		79-24	79-24	79-19	79-19a
27					78-27	79-05	77-24	77-25	77-29				78-02n
30					77-06	77-28	76-21L	77-24a		77-16	78-05	77-08L	78-00b

Jun	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close	September 1981 Open	High	Low	Close
2				77-06n				77-00n				76-25n
3				78-22n				78-13n				78-03n
4				79-02n				78-25n				78-16n
5	79-07	79-18	79-07L	79-18b				79-09n				79-00n
6				80-10n				79-31n				79-20n
9	80-30	80-30h	80-10	80-10a				79-31n				79-20n
10				80-04n				79-26n				79-15n
11				80-12n				80-00n				79-21n
12				81-05n				80-27n				80-16n
13				82-00n				81-26n				81-15n
16				81-28n				81-18n				81-08n
17				81-15n				81-07n				80-28n
18				81-05n				80-30n				80-20n
19				81-18n				81-11n				81-02n
20				82-15n				82-10n				82-02n
23				80-17n				80-12n				80-05n
24				80-20n				80-15n				80-07n
25				80-14n				80-11n				80-05n
26				79-24n				79-25n				79-25n
27				78-08n				78-07n				78-04n
30				78-00n				77-30n				77-25n

Jun	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close	June 1982 Open	High	Low	Close
2				76-19n				76-14n				76-08n
3				77-27n				77-19n				77-13n
4				78-07n				77-30n				77-22n
5				78-23n				78-14n				78-06n
6				79-10n				79-00n				78-23n
9				79-09n				78-30n				78-22n
10				79-05n				78-27n				78-19n
11				79-11n				79-00n				78-25n
12				80-05n				79-26n				79-16n
13				81-07n				80-30n				80-23n
16				80-30n				80-20n				80-11n
17				80-18n				80-08n				79-31n
18				80-11n				80-02n				79-25n
19				80-26n				80-17n				80-10n
20				81-27n				81-20n				81-14n
23				79-30n				79-22n				79-16n
24				80-00n				79-25n				79-19n
25				80-00n				79-26n				79-22n
26				79-23n				79-20n				79-18n
27				78-02n				77-31n				77-29n
30				77-20n				77-14n				77-09n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume of Sales

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
2	45									45
3	33	16								49
4	33	5	10L							48
5	35	30	40h	10L						115
6	59h	3L	26							88
9	14L	108	31	25h						178
10		31	10							41
11		3								3L
12		199	20							219
13		40	30							70
16										
17		135								135
18		125								125
19		136								136
20		202h	26							228h
23		75								75
24		90	25							115
25		129	15							14
26		55	10							65
27		31								31
30		34	20							54
Total	219	1,447	263	35						1,964

C.D. GNMA Open Contracts

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
2	995h	243	252	60h	1h	90h	124h	13h		1,778
3	975	228	252	60	1	90	124	13		1,743
4	969	223	262	60	1	90	124	13		1,742
5	944	213	282	55L	1	90	124	13		1,722
6	928	213	288h	55	1	90	124	13		1,712
9	926L	226	288	55	1	90	124	13		1,723
10	926	203	283	55	1	90	124	13		1,695
11	926	202L	283	55	1	90	124	13		1,694
12	926	354	283	55	1	90	124	13		1,846h
13	926	372	256	55	1	90	124	13		1,837
16		372	256	55	1	90	124	13		911L
17		477	256	55	1	90	124	13		1,016
18		557	256	55	1	90	124	13		1,096
19		658h	256	55	1	90	124	13		1,197
20		657	251	55	1	90	124	13		1,191
23		615	251	55	1	90	124	13		1,149
24		607	226	55	1	90	124	13		1,116
25		563	211	55	1	90	124	13		1,057
26		581	211	55	1	90	124	13		1,075
27		583	211	55	1	90	124	13		1,077
30		583	191L	55	1	90	124	13		1,057

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jul	September 1980 Open	High	Low	Close		December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close
1	77-29	77-29	77-05	77-05		78-08	78-08	77-09	77-09a				77-08n
2	76-27	77-17	76-27	77-15	77-17	77-08	77-21	77-08	77-21				77-20n
3	77-29	78-04	77-25	78-04					78-04n				78-03n
4	HOLIDAY												
7	77-26	77-26	76-15	76-16b		78-06	78-16h	76-06	76-06a				76-03n
8	76-18	78-03	76-10L	78-03		76-23	77-22	76-23	77-22b				77-18n
9	78-01	78-18h	77-20	77-22a		78-05	78-05	77-08	77-08a	77-30	77-30h	77-05	77-05a
10	77-11	77-20	77-00	77-17b					77-03n				77-00n
11	77-00	77-02	76-22	76-29b					76-18n	76-20	76-20	76-15	76-16b
14	76-10	76-24	76-10	76-13	76-10a				75-29n	76-03	76-08	75-26	75-26a
15	76-23	77-24	76-23	77-22b		76-18	77-26	76-18	77-12a				77-10n
16	77-08	78-12	77-00	78-05a					77-29n				77-30n
17	78-12	78-15	77-09	77-21b					77-13n				77-19n
18	77-25	77-25	77-04	77-04a					76-31n				76-30n
21				77-22n		77-00	77-17	77-00	77-17b				77-16n
22				76-28n					76-23n				76-24n
23	77-06	77-16	77-03	77-16b					77-10n				77-13n
24				76-20n					76-14n				76-17n
25				76-07n					76-01n				76-06n
28				75-19n		75-16	75-16	75-11L	75-13b				75-13n
29				75-31n					75-24n				75-24n
30				75-02n					74-25n	75-19	75-19	74-26L	74-26a
31				74-13n					74-02n				74-05n

Jul	June 1981 Open	High	Low	Close	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close
1				77-03n				76-28n				76-20n
2				77-12n				77-03n				76-26n
3				77-26n				77-17n				77-08n
4	HOLIDAY											
7				75-26n				75-17n				75-08n
8				77-11n				77-04n				76-29n
9				76-31n				76-24n				76-16n
10				76-26n				76-19n				76-12n
11				76-11n				76-04n				75-29n
14				75-24n	75-30	76-04h	75-18L	75-18a				75-15n
15				77-05n				76-31n				76-24n
16				77-25n				77-19n				77-12n
17				77-15n				77-09n				77-02n
18				76-27n				76-21n				76-15n
21				77-12n				77-06n				77-00n
22				76-20n				76-14n				76-08n
23				77-09n				77-03n				76-29n
24				76-14n				76-09n				76-03n
25				76-03n				75-30n				75-24n
28				75-11n				75-07n				75-02n
29				75-23n				75-18n				75-12n
30				74-23n				74-18n				74-12n
31				74-03n				73-30n				73-25n

Jul	March 1982 Open	High	Low	Close	June 1982 Open	High	Low	Close
1				76-13n				76-06n
2				76-17n				76-09n
3				76-30n				76-21n
4	HOLIDAY							
7				74-30n				74-21n
8				76-21n				76-15n
9				76-08n				76-01n
10				76-05n				75-30n
11				75-22n				75-16n
14				75-08n				75-00n
15				76-17n				76-10n
16				77-05n				76-30n
17				76-27n				76-20n
18				76-09n				76-03n
21				76-26n				76-20n
22				76-02n				75-28n
23				76-23n				76-17n
24				75-29n				75-23n
25				75-18n				75-12n
28				74-29n				74-24n
29				75-06n				75-01n
30				74-06n				74-00n
31				73-20n				73-15n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume of Sales
Reported in Contracts

Jul	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	81	12							93
2	122	5							127
3	11								11
4	HOLIDAY								
7	16	19h							35
8	27	7							34
9	253	1L	16h						270
10	22								22
11	62		1L						63
14	15		12		11h				38
15	22	1							23
16	293h								293h
17	34								34
18	10								10
21		5							5
22									
23	1L								1L
24									
25									
28		5							5
29									
30			5						5
31									
Total	959	55	34		11				1,069

C.D. GNMA Open Contracts
Reported in Contracts

Jul	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	625	180	55L	1h	90h	124h	13h		1,088
2	695h	180	55	1	90	124	13		1,158h
3	687	180	55	1	90	124	13		1,150
4	HOLIDAY								
7	682	182h	55	1	90	124	13		1,147
8	674	180	55	1	90	124	13		1,137
9	506	179	55	1	90	124	13		968
10	505	179	55	1	90	124	13		967
11	460	179	56	1	90	124	13		923
14	471	179	57h	1	90	124	13		935
15	458	178	57	1	90	124	13		921
16	284	178	57	1	90	124	13		747
17	264	178	57	1	90	124	13		727
18	254L	178	57	1	90	124	13		717
21	254	173L	57	1	90	124	13		712
22	254	173	57	1	90	124	13		712
23	254	173	57	1	90	124	13		712
24	254	173	57	1	90	124	13		712
25	254	173	57	1	90	19L	13		607L
28	254	173	57	1	90	124	13		712
29	254	173	57	1	90	124	13		712
30	254	173	57	1	90	124	13		712
31	254	173	57	1	90	124	13		712

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Aug	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close
1	74-15	74-26	74-13	74-26b	74-05	74-16	74-04	74-16b				74-17n
4				75-15n				75-06n				75-07n
5				75-06n	75-15	75-18h	74-30	74-30a				74-30n
6	74-22	75-01	74-21	75-01b	74-08	74-21	74-00	74-21b				74-24n
7	74-30	75-13h	74-30	75-13b	74-15	74-31	74-15	74-31b				75-02n
8				73-13n				73-00n				73-24n
11				72-20n				72-02n				72-23n
12	72-20	73-06	72-20	73-06b				72-20n				73-08n
13	73-28	73-28	73-11	73-11a				72-25n	73-19	73-19h	73-13	73-13a
14				73-18n	73-12	73-12	73-02	73-02a	73-11	73-17	73-11	73-17
15				74-15n	72-20	73-25	72-20	73-25b				74-12n
18	73-00	73-00	72-15	72-16b	72-00	72-00	71-25	71-25a	72-25	72-25	72-16	72-16a
19				71-27n	71-20	71-20	71-00	71-00a	72-23	72-23	72-04L	72-04a
20	71-17	72-14	71-17	72-14b	70-27	71-20	70-27L	71-20b				72-21n
21	72-29	72-29	72-00	72-12b	72-04	72-04	71-00	71-14b				72-16n
22	72-22	72-28	72-20	72-24b	71-24	71-28	71-24	71-28b				73-01n
25	71-26	72-07	71-25	71-25a	70-28	71-04	70-28	70-28a				72-04n
26				71-25n				70-28n				72-03n
27	71-12	71-12	71-01L	71-01a				70-00n				70-31n
28				70-07n				69-09n				70-12n
29				71-14n				70-20n				71-15n

Aug	June 1981 Open	High	Low	Close	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close
1				74-14n				74-11n				74-07n
4				75-03n				74-31n				74-27n
5				74-28n				74-25n				74-21n
6				74-20n				74-16n				74-12n
7				74-30n				74-26n				74-21n
8				73-23n				73-19n				73-14n
11				72-17n				72-14n				72-10n
12				73-04n				73-00n				72-28n
13				73-09n				73-04n				72-30n
14				73-15n				73-10n				73-04n
15				74-09n				74-04n				73-30n
18				72-13n				72-09n				72-04n
19				72-03n				72-00n				71-28n
20				72-21n				72-20n				72-18n
21				72-13n				72-15n				72-14n
22				73-02n				73-02n				73-02n
25				72-05n				72-08n				72-08n
26				72-04n				72-04n				72-03n
27				71-03n				71-06n				71-08n
28				70-20n				70-28n				71-00n
29				71-19n				71-21n				71-21n

Aug	March 1982 Open	High	Low	Close	June 1982 Open	High	Low	Close
1				74-03n				73-31n
4				74-23n				74-19n
5				74-17n				74-13n
6				74-08n				74-04n
7				74-16n				74-12n
8				73-11n				73-06n
11				72-05n				72-00n
12				72-22n				72-15n
13				72-25n				72-19n
14				72-31n				72-25n
15				73-25n				73-19n
18				71-31n				71-26n
19				71-24n				71-20n
20				72-15n				72-12n
21				72-12n				72-11n
22				73-01n				73-00n
25				72-08n				72-08n
26				72-02n				72-01n
27				71-09n				71-09n
28				71-03n				71-06n
29				71-21n				71-21n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume Of Sales

Reported in Contracts

Aug	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	61h	5							66h
4									
5		3							3
6	2	15							17
7	2	2L							4
8									
11									
12	1L								1L
13	5		25h						30
14		55	3						58
15		10							10
18	1	60h	1L						62
19		6	5						11
20	2	2							4
21	2	2							4
22	8	10							18
25	2	2							4
26									
27	2								2
28									
29									
Total	88	172	34						294

C.D. GNMA Open Contracts

Reported in Contracts

Aug	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	201	168L	57h	1h	90h	124h	13h		654
4	201	168	57	1	90	124	13		654
5	201	168	57	1	90	124	13		654
6	199	170	57	1	90	124	13		654
7	201	172	57	1	90	124	13		658
8	201	172	57	1	90	124	13		658
11	201	172	57	1	90	124	13		658
12	200	172	57	1	90	124	13		657
13	199	172	52	1	90	124	13		651L
14	199	192	52	1	90	124	13		671
15	199	187	52	1	90	124	13		666
18	198L	218	51	1	90	124	13		695
19	198	223h	46L	1	90	124	13		695
20	200	210	46	1	90	124	13		684
21	202	223	46	1	90	124	13		699h
22	204h	214	46	1	90	124	13		692
25	202	216	46	1	90	124	13		692
26	202	216	46	1	90	124	13		692
27	200	216	46	1	90	124	13		690
28	200	216	46	1	90	124	13		690
29	200	216	46	1	90	124	13		690

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

September 1980

Sep	Open	High	Low	Close
1	HOLIDAY			
2	72-18	72-23	72-12	72-12a
3	72-24	72-29	72-05	72-29b
4	73-00	73-05h	73-00	73-00
5	73-05	73-05	72-25	72-25a
8	72-00	72-00	71-28L	71-28
9				71-00n
10				
11				
12				
15				
16				
17				
18				
19				
22				
23				
24				
25				
26				
29				
30				

December 1980

Open		High	Low	Close
71-20		72-00	71-12	71-15b
72-00	71-18	72-06	71-18	72-01b
				72-00n
72-02		72-10h	71-15	71-24a
				71-03n
				72-00n
				72-07n
				71-15n
				71-17n
70-27		70-27	70-24	70-24a
				71-01n
70-16		70-16	70-10	70-10a
				70-25n
70-29		70-29	70-23	70-23a
				68-27n
				68-17n
69-00		69-00	68-30	68-30a
				68-16n
				67-27n
				67-24n
68-13		68-29	68-07L	68-29b

March 1981

Open	High	Low	Close
			72-16n
			72-27n
			72-26n
			72-17n
			71-28n
			72-25n
			72-27n
			72-03n
			72-06n
			71-11n
			71-19n
			70-28n
			71-09n
			71-05n
			69-10n
			69-01n
			69-13n
			68-31n
			68-10n
			68-08n
			69-21n

June 1981

Sep	Open	High	Low	Close
1	HOLIDAY			
2				72-18n
3				72-31n
4				72-28n
5				72-19n
8				71-30n
9				72-27n
10				72-27n
11				72-04n
12				72-07n
15				71-11n
16				71-23n
17				71-00n
18				71-12n
19				71-07n
22				69-13n
23				69-05n
24				69-16n
25				69-02n
26				68-15n
29				68-13n
30				69-24n

September 1981

Open	High	Low	Close
			72-20n
			73-00n
			72-29n
			72-21n
			72-00n
			72-29n
			72-27n
			72-04n
			72-07n
			71-15n
			71-28n
			71-05n
			71-15n
			71-09n
			69-15n
			69-09n
			69-18n
			69-05n
			68-19n
			68-18n
			69-27n

December 1981

Open	High	Low	Close
			72-20n
			72-31n
			72-29n
			72-22n
			72-01n
			72-29n
			72-27n
			72-02n
			72-07n
			71-19n
			71-29n
			71-06n
			71-16n
			71-11n
			69-17n
			69-13n
			69-20n
			69-07n
			68-23n
			68-22n
			69-30n

March 1982

Sep	Open	High	Low	Close
1	HOLIDAY			
2				72-21n
3				73-06n
4				72-29n
5				72-22n
8				72-01n
9				72-28n
10				72-26n
11				72-02n
12				72-07n
15				71-22n
16				71-29n
17				71-06n
18				71-17n
19				71-11n
22				69-19n
23				69-15n
24				69-23n
25				69-10n
26				68-27n
29				68-27n
30				70-02n

June 1982

Open	High	Low	Close
			72-21n
			72-30n
			72-29n
			72-21n
			72-00n
			72-27n
			72-24n
			72-01n
			72-06n
			71-23n
			71-30n
			71-06n
			71-18n
			71-11n
			69-20n
			69-17n
			69-26n
			69-13n
			68-31n
			69-00n
			70-05n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume Of Sales

Reported in Contracts

Sep	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	HOLIDAY								
2	12h	25							37
3	4	23							27
4	8								8
5	1L	10							11
8	7								7
9									
10									
11									
12									
15		2							2
16									
17		1L							1L
18									
19		20							20
22									
23									
24		20							20
25									
26									
29									
30		44h							44h
Total	32	145							177

C.D. GNMA Open Contracts

Reported in Contracts

Sep	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	HOLIDAY								
2	203	224L	46h	1h	90h	124h	13h		701
3	204h	244	46	1	90	124	13		722h
4	188L	244	46	1	90	124	13		706
5	195	234	46	1	90	124	13		703
8	193	234	46	1	90	124	13		701
9	193	234	46	1	90	124	13		701
10	193	234	46	1	90	124	13		701
11	193	234	46	1	90	124	13		701
12	193	234	46	1	90	124	13		701
15	193	232	46	1	90	124	13		699
16		232	46	1	90	124	13		506
17		231	46	1	90	124	13		505L
18		231	46	1	90	124	13		505
19		251	46	1	90	124	13		525
22		251	46	1	90	124	13		525
23		251	46	1	90	124	13		525
24		245	46	1	90	124	13		519
25		245	46	1	90	124	13		519
26		245	46	1	90	124	13		519
29		245	46	1	90	124	13		519
30		254h	46	1	90	124	13		528

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Oct	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close
1	69-10	69-10	68-23	68-23a				69-17n				69-22n
2	68-11	68-21	68-11L	68-21b				69-14n				69-19n
3				70-16n	69-30	70-22	69-30L	70-22b				71-09n
6	70-05	70-09	70-05	70-08a				70-18n				71-00n
7				70-09n				70-20n				71-00n
8				70-01n				70-12n				70-24n
9	70-11	71-14	70-11	71-14b	70-22	71-23h	70-22	71-23b				72-02n
10				71-00n				71-13n				71-25n
13	71-04	71-04	70-31	70-31b				71-10n				71-23n
14	71-10	71-19h	71-10	71-15a				71-25n				72-05n
15				71-18n				71-29n				72-09n
16	71-18	71-19	70-11	70-11a				70-26n				71-08n
17				69-08n				69-22n				70-05n
20	69-17	69-17	69-10	69-15b				70-00n				70-16n
21				69-03n				69-21n				70-04n
22	68-28	68-28	68-18	68-18a				69-01n				69-16n
23				68-24n				69-05n				69-21n
24				69-03n				69-16n				69-00n
27				67-03n				67-16n				67-00n
28				66-25n				67-05n				67-24n
29				66-08n				66-19n				67-05n
30				66-10n				66-14n				67-01n
31				66-22n				66-27n				67-13n

Oct	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close
1				69-26n				69-29n				70-01n
2				69-23n				69-27n				70-00n
3				71-11n				71-13n				71-15n
6				71-00n				71-00n				71-00n
7				71-00n				71-00n				71-00n
8				70-24n				70-24n				70-24n
9				72-01n				72-00n				72-00n
10				71-23n				71-21n				71-19n
13				71-20n				71-18n				71-15n
14				72-02n				72-00n				71-30n
15				72-05n				72-03n				72-00n
16				71-06n				71-04n				71-01n
17				70-05n				70-05n				70-05n
20				70-16n				70-18n				70-18n
21				70-04n				70-05n				70-05n
22				69-16n				69-17n				69-17n
23				69-21n				69-22n				69-22n
24				69-00n				69-01n				69-01n
27				67-00n				67-01n				67-01n
28				67-29n				68-01n				68-04n
29				67-09n				67-13n				67-16n
30				67-05n				67-08n				67-11n
31				67-17n				67-21n				67-22n

Oct	June 1982 Open	High	Low	Close
1				70-05n
2				70-04n
3				71-17n
6				71-00n
7				71-00n
8				70-24n
9				72-00n
10				71-17n
13				71-13n
14				71-26n
15				71-28n
16				70-31n
17				70-03n
20				70-16n
21				70-05n
22				69-17n
23				69-22n
24				69-01n
27				67-01n
28				68-05n
29				67-18n
30				67-12n
31				67-23n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume Of Sales
Reported in Contracts

Oct	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	18							18
2	26							26
3		2h						2
6	5							5
7								
8								
9	13	1L						14
10								
13	30							30
14	62h							62h
15								
16	14							14
17								
20	10							10
21								
22	1L							1L
23								
24								
27								
28								
29								
30								
31								
Total	179	3						182

C.D. GNMA Open Contracts
Reported in Contracts

Oct	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	255	46h	1h	90h	124h	13h		529
2	250	46	1	90	124	13		524
3	250	46	1	90	124	13		524
6	255	46	1	90	124	13		529
7	255	46	1	90	124	13		529
8	255	46	1	90	124	13		529
9	266h	45L	1	90	124	13		539h
10	266	45	1	90	124	13		539
13	266	45	1	90	124	13		539
14	206	45	1	90	124	13		479
15	206	45	1	90	124	13		479
16	206	45	1	90	124	13		479
17	206	45	1	90	124	13		479
20	206	45	1	90	124	13		479
21	206	45	1	90	124	13		479
22	205L	45	1	90	124	13		478L
23	205	45	1	90	124	13		478
24	205	45	1	90	124	13		478
27	205	45	1	90	124	13		478
28	205	45	1	90	124	13		478
29	205	45	1	90	124	13		478
30	205	45	1	90	124	13		478
31	205	45	1	90	124	13		478

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

December 1980

Nov	Open	High	Low	Close
3				67-00n
4	HOLIDAY			
5				65-28n
6	65-13	66-00	65-13L	65-18a
7				67-03n
10				66-18n
11				68-18n
12				68-12n
13	68-28	68-28h	68-15	68-15a
14				67-17n
17	67-16	67-16	67-00	67-01b
18				68-12n
19				68-24n
20				68-23n
21				68-01n
24				68-09n
25	68-06	68-06	67-23	67-23a
26	67-10	68-00	67-10	68-00b
27	HOLIDAY			
28				67-08n

March 1981

Open	High	Low	Close
			67-06n
			66-02n
			65-19n
			67-06n
			66-15n
			68-15n
			68-12n
			68-15n
			67-17n
			67-01n
			68-14n
			68-28n
			68-27n
			68-01n
			68-14n
68-00	68-00	67-27L	67-23a
67-25	68-17h	67-25	68-17b
			67-25n

June 1981

Open	High	Low	Close
			67-24n
			66-28n
			66-02n
			67-20n
			66-30n
			68-30n
			68-24n
			68-26n
			67-30n
			67-07n
			68-20n
			69-03n
			69-09n
			68-17n
			69-00n
			68-18n
			69-10n
			68-19n

September 1981

Nov	Open	High	Low	Close
3				67-28n
4	HOLIDAY			
5				67-02n
6				66-07n
7				67-23n
10				67-00n
11				69-00n
12				68-23n
13				68-25n
14				67-30n
17				67-09n
18				68-22n
19				69-05n
20				69-12n
21				68-24n
24				69-08n
25				68-23n
26				69-14n
27	HOLIDAY			
28				68-23n

December 1981

Open	High	Low	Close
			68-00n
			67-07n
			66-12n
			67-27n
			67-01n
			69-01n
			68-22n
			68-24n
			67-29n
			67-10n
			68-23n
			69-09n
			69-14n
			68-27n
			69-12n
			68-25n
			69-16n
			68-25n

March 1982

Open	High	Low	Close
			68-01n
			67-09n
			66-14n
			67-27n
			67-03n
			69-03n
			68-20n
			68-23n
			67-29n
			67-11n
			68-23n
			69-08n
			69-15n
			68-29n
			69-16n
			68-28n
			69-18n
			68-28n

June 1982

Nov	Open	High	Low	Close
3				68-03n
4	HOLIDAY			
5				67-13n
6				66-16n
7				67-27n
10				67-02n
11				69-02n
12				68-18n
13				68-21n
14				67-29n
17				67-12n
18				68-24n
19				69-08n
20				69-16n
21				68-30n
24				69-19n
25				68-30n
26				69-20n
27	HOLIDAY			
28				68-30n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume Of Sales

Reported in Contracts

Nov	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
3								
4	HOLIDAY							
5								
6	21h							21h
7								
10								
11								
12								
13	5							5
14								
17								
18								
19								
20								
21								
24								
25	1L	1L						2L
26	10	2h						12
27	HOLIDAY							
28								
Total	37	3						40

C.D. GNMA Open Contracts

Reported in Contracts

Nov	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
3	205h	45L	1h	90h	124h	13h		478h
4	HOLIDAY							
5	205	45	1	90	124	13		478
6	184L	45	1	90	124	13		457L
7	184	45	1	90	124	13		457
10	184	45	1	90	124	13		457
11	184	45	1	90	124	13		457
12	184	45	1	90	124	13		457
13	184	45	1	90	124	13		457
14	184	45	1	90	124	13		457
17	184	45	1	90	124	13		457
18	184	45	1	90	124	13		457
19	184	45	1	90	124	13		457
20	184	45	1	90	124	13		457
21	184	45	1	90	124	13		457
24	184	45	1	90	124	13		457
25	185	46	1	90	124	13		459
26	185	48h		90	124	13		460
27	HOLIDAY							
28	185	48	1	90	124	13		461

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Futures Prices

Open, High, Low and Close
Points and 32nds at Par

December 1980

Dec	Open	High	Low	Close	
1	67-04	67-10h	66-12	66-12	
2				66-24n	
3				67-05n	
4	67-06	67-08	67-06	67-08b	
5				67-20n	
8	67-00	67-00	66-30	66-30	
9	66-22	66-22	64-12L	66-00	64-12
10					
11					
12					
15					
16					
17					
18					
19					
22					
23					
24					
25	HOLIDAY				
26	HOLIDAY				
29					
30					
31					

March 1981

Open	High	Low	Close
67-15	67-15	66-17L	66-17
			66-27n
67-10	67-10	67-10	67-10
			67-14n
67-00	67-28	67-00	67-28b
			67-09n
			66-04n
			65-27n
			63-27n
			65-27n
			66-12n
			66-27n
			66-28n
			67-14n
			69-14n
68-00	71-00h	68-00	70-14b
			70-13n
			70-23n
			70-09n
69-24	69-24	69-24	69-24
			70-03n

June 1981

Open	High	Low	Close
			67-20n
			68-03n
			68-12n
			68-16n
			69-05n
			68-24n
			67-24n
			67-09n
			65-09n
			67-09n
			67-24n
			68-03n
			68-01n
			68-15n
			70-15n
			71-25n
			71-23n
			71-28n
			71-24n
			70-30n
			71-07n

September 1981

Dec	Open	High	Low	Close
1				67-31n
2				68-16n
3				68-22n
4				68-24n
5				69-17n
8				69-10n
9				68-17n
10				68-00n
11				66-00n
12				68-00n
15				68-10n
16				68-18n
17				68-11n
18				68-20n
19				70-20n
22				71-25n
23				71-20n
24				71-27n
25	HOLIDAY			
26	HOLIDAY			
29				71-22n
30				70-30n
31				71-10n

December 1981

Open	High	Low	Close
			68-02n
			68-22n
			68-25n
			68-29n
			69-22n
			69-21n
			68-28n
			68-13n
			66-13n
			68-13n
			68-21n
			68-25n
			68-13n
			68-21n
			70-21n
			71-25n
			71-18n
			71-26n
			71-19n
			70-29n
			71-11n

March 1982

Open	High	Low	Close
			68-06n
			68-27n
			68-29n
			68-31n
			69-26n
			69-29n
			69-04n
			68-21n
			66-22n
			68-22n
			68-27n
			69-00n
			68-17n
			68-22n
			70-22n
			71-23n
			71-14n
			71-22n
			71-14n
			70-26n
			71-09n

June 1982

Dec	Open	High	Low	Close
1				68-09n
2				68-31n
3				69-00n
4				69-02n
5				69-29n
8				70-02n
9				69-10n
10				68-27n
11				66-30n
12				68-30n
15				69-00n
16				69-04n
17				68-19n
18				68-23n
19				70-23n
22				71-22n
23				71-12n
24				71-20n
25	HOLIDAY			
26	HOLIDAY			
29				71-11n
30				70-25n
31				71-09n

h = high L = low a = asked b = bid n = nominal

C.D. GNMA Volume Of Sales

Reported in Contracts

Dec	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	16	10h						26
2								
3		2						2
4	10							10
5		1L						1L
8	3L							3
9	32h							32h
10								
11								
12								
15								
16								
17								
18								
19								
22		10						10
23								
24								
25	HOLIDAY							
26	HOLIDAY							
29								
30		10						10
31								
Total	61	33						94

C.D. GNMA Open Contracts

Reported in Contracts

Dec	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	Total
1	159h	58L	1h	90h	124h	13h		445h
2	159	58	1	90	124	13		445
3	159	58	1	90	124	13		445
4	159	58	1	90	124	13		445
5	159	58	1	90	124	13		445
8	156	58	1	90	124	13		442
9	125L	58	1	90	124	13		411
10	125	58	1	90	124	13		411
11	125	58	1	90	124	13		411
12	125	58	1	90	124	13		411
15	125	58	1	90	124	13		411
16		58	1	90	124	13		286L
17		58	1	90	124	13		286
18		58	1	90	124	13		286
19		58	1	90	124	13		286
22		68h		90	124	13		296
23		68		90	124	13		296
24		68		90	124	13		296
25	HOLIDAY							
26	HOLIDAY							
29		68	1	90	124	13		296
30		63	1	90	124	13		291
31		63	1	90	124	13		291

h = high L = low a = asked b = bid n = nominal

C.D. GNMA

Monthly Range of Futures Prices
Points and 32nds at Par

January Delivery

Trading Year	Delivery Year	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	Trading Year	Delivery Year
78-79	79													78-79	79

Trading Year	Delivery Year	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	Trading Year	Delivery Year
78-79	79			92-26	92-05									78-79	79

March Delivery

Trading Year	Delivery Year	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	Trading Year	Delivery Year
80-81	81	76-04	75-18			80-30	79-07	77-30	74-26	73-19	72-04			80-81	81
79-80	82									87-04	87-00	81-20	81-06	79-80	82
79-80	81			87-10	86-01	88-12	87-10	88-22	88-03	88-04	86-15	85-28	85-21	79-80	81
79-80	80	88-19	86-11	87-17	85-29	89-01	86-30	89-08	87-16	88-14	85-28	85-26	81-26	79-80	80
78-79	81											91-17	91-17	78-79	81
78-79	80											91-30	91-20	78-79	80
78-79	79											92-23	90-17	78-79	79

Trading Year	Delivery Year	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	Trading Year	Delivery Year
80-81	81	71-23	69-30	68-17	67-23	71-00	66-17							80-81	81
79-80	82	81-00	74-11	81-25	81-06									79-80	82
79-80	81	76-28	74-28	80-07	77-02	80-23	80-20					71-05	70-20	79-80	81
79-80	80	82-04	73-03	80-00	74-00	80-27	75-12	78-01	72-30	73-20	66-28	67-28	65-13	79-80	80
78-79	81			89-26	89-22	89-30	88-02	88-09	88-06			88-10	88-03	78-79	81
78-79	80	90-22	88-22	91-00	90-04	89-14	88-17	89-14	88-10	88-18	88-04	88-28	88-09	78-79	80
78-79	79	91-09	88-30	90-20	89-14	90-08	87-23	89-04	87-18	89-15	87-29	88-14	87-27	78-79	79

June Delivery

Trading Year	Delivery Year	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	Trading Year	Delivery Year
79-80	82							78-29	74-06					79-80	82
79-80	81	87-30	87-28	87-23	87-20	85-23	85-15			76-30	76-30			79-80	81
79-80	80	89-08	87-27	88-26	86-10	86-03	82-11	82-10	74-13	80-29	75-04	81-28	76-11	79-80	80
78-79	81													78-79	81
78-79	80					91-27	91-16	90-19	90-07	90-01	89-31	89-11	88-12	78-79	80
78-79	79					92-15	90-28	91-02	89-00	90-28	89-25	90-16	87-29	78-79	79

Trading Year	Delivery Year	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	Trading Year	Delivery Year
79-80	82													79-80	82
79-80	81													79-80	81
79-80	80	78-27	72-25	73-12	65-26	68-12	64-24	74-25	66-00	80-20	74-30	80-00	76-01	79-80	80
78-79	81					88-09	88-01					87-10	87-10	78-79	81
78-79	80	88-18	88-16			88-29	88-11	88-20	86-12	87-21	86-00	88-18	87-04	78-79	80
78-79	79	89-12	87-30	89-22	87-18	88-21	87-24	88-10	86-06	87-29	85-27	88-01	87-19	78-79	79

C.D. GNMA

Monthly Range of Futures Prices
Points and 32nds at Par

September Delivery

Trading	Delivery	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	81	81-21	76-10	80-13	76-07	80-10	80-05	-	-	-	-	-	-	79-80	81
79-80	80	82-14	74-27	82-05	76-07	83-09	78-20	79-27	73-25	73-05	66-16	68-20	64-30	79-80	80
78-79	81	-	-	-	-	-	-	-	-	-	-	87-31	87-25	78-79	81
78-79	80	90-17	90-14	-	-	89-06	88-09	88-16	88-13	-	-	88-26	88-10	78-79	80
78-79	79	90-26	89-00	91-03	90-00	90-14	88-07	89-20	88-06	89-28	87-23	88-25	88-06	78-79	79
77-78	80	-	-	-	-	-	-	-	-	-	-	-	-	77-78	80
77-78	79	-	-	-	-	-	-	-	-	-	-	-	-	77-78	79

Trading	Delivery	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	81	-	-	-	-	-	-	76-04	75-18	-	-	-	-	79-80	81
79-80	80	75-10	67-08	81-02	76-25	82-00	76-21	78-18	76-10	75-13	71-01	73-05	71-28	79-80	80
78-79	81	-	-	86-12	86-00	87-05	87-05	-	-	87-16	87-13	83-20	81-23	78-79	81
78-79	80	88-17	87-16	86-25	86-05	88-30	87-04	89-03	87-25	88-24	86-23	86-06	83-17	78-79	80
78-79	79	88-17	85-26	87-05	85-15	88-13	86-15	88-18	86-27	87-26	85-20	85-17	84-10	78-79	79
77-78	80	-	-	-	-	-	-	-	-	-	-	91-24	91-13	77-78	80
77-78	79	-	-	-	-	-	-	-	-	-	-	92-09	91-28	77-78	79

November Delivery

Trading	Delivery	DECEMBER		JANUARY		FEBRUARY		MARCH		APRIL		MAY		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
77-78	78	-	-	-	-	-	-	-	-	-	-	-	-	77-78	78

Trading	Delivery	JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
77-78	78	-	-	-	-	-	-	93-04	91-06	90-27	90-24	90-10	90-10	77-78	78

December Delivery

Trading	Delivery	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	80	79-23	75-04	75-00	67-00	70-09	67-01	76-27	68-06	82-19	77-15	82-12	77-08	80	80
79	81	-	-	-	-	87-28	87-23	87-07	86-28	85-24	85-21	87-14	86-18	79	81
79	80	88-12	88-09	-	-	88-22	88-04	88-09	88-00	87-07	86-04	87-22	87-20	79	80
79	79	89-25	88-09	88-19	88-00	88-27	88-05	88-19	86-03	87-11	85-19	88-22	86-19	79	79
78	80	-	-	-	-	-	-	-	-	-	-	-	-	78	80
78	79	-	-	-	-	-	-	-	-	-	-	-	-	78	79
78	78	-	-	-	-	-	-	-	-	-	-	-	-	78	78

Trading	Delivery	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	80	78-16	75-11	75-18	70-27	72-10	68-07	71-19	68-11	68-28	65-13	67-10	64-12	80	80
79	81	87-20	87-17	87-10	86-03	81-28	81-20	81-16	74-16	80-12	76-15	-	-	79	81
79	80	88-30	87-14	88-11	86-20	86-01	83-11	81-24	75-00	82-12	77-11	-	-	79	80
79	79	88-30	86-31	87-28	85-18	85-17	81-24	81-29	74-15	80-31	76-00	81-00	79-16	79	79
78	80	-	-	-	-	91-20	91-20	-	-	89-28	89-26	88-11	88-05	78	80
78	79	-	-	-	-	92-03	91-24	90-24	90-12	90-20	90-07	90-21	88-18	78	79
78	78	-	-	-	-	92-31	90-29	90-25	89-00	90-14	89-13	89-22	89-19	78	78

CHICAGO BOARD OF TRADE

CD-GNMA Deliveries Against Futures Commitments (Contracts)

1980								
	Mar.	1	June	1	Sept.	1	Dec.	1
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14	499	3/7/80						
15								
16			926	6/9/80	193	9/9/80	125	
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Total	499		926		193		125	

[1] Last date into which commodity was assigned.

Section 2
Treasury Bond Futures

Treasury bonds are a primary tool used by the government in financing its deficit. These negotiable debt instruments are direct obligations of the U.S. Treasury constituting 14% of the entire government debt. In recent years the cash market for marketable U.S. government debt has grown substantially: 1965 debt was approximately $212 billion, while today that figure has increased to $915 billion.

The recent volatile cash market conditions in long-term government debt, and the significant size of that market, have created the need for a tool designed to hedge the interest rate risks involved in holding such instruments. Treasury bond futures at the Board of Trade provide such a service. Institutions such as bond houses, banks, and other large financial concerns, as well as private individuals may use Treasury bond futures to hedge against a decline in the value of their portfolios. As in the other financial futures markets, there is opportunity for speculative gain for individuals with risk capital.

Average daily trading volume in Treasury bond futures for 1977, the year of their inception, was 350 contracts. Open interest at the end of 1977 totalled 3,000 contracts. Today, volume in Treasury bond futures averages over 27,000 contracts a day, and open interest stands at 243,614 contracts. This remarkable growth demonstrates the extreme importance of bond futures to members of the financial community and their increasing value as tools for interest rate risk management.

The basic trading unit is a Treasury bond with $100,000 face value. The deliverable grade is a U.S. Treasury bond maturing at least 15 years from the date of delivery – or if callable the call date must be at least 15 years from delivery day. Price quotations are on a percentage of par, with a minimum price fluctuation of 1/32 of a point or $31.25 per contract.

U.S. TREASURY BONDS

Trading Conditions

1801.00 Authority
1802.01 Application of Regulation
1804.01 Unit of Trading
1805.01 Months Traded In
1806.01 Price Basis
1807.01 Hours of Trading
1808.01 Trading Limits
1808.01A Trading Limits
1809.01 Last Day of Trading
1809.02 Liquidation in the Last Seven Days of the Delivery Month
1810.01 Margin Requirements
1812.01 Reportable Positions

Delivery Procedures

1836.01 Standards
1842.01 Deliveries on Futures Contracts
1842.02 Wire Failure
1846.01 Date of Delivery
1847.00 Delivery Notice
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1848.00 Method of Delivery
1849.00 Time of Delivery, Payment Form of Delivery Notice
1849.02 Buyers' Report of Eligibility to Receive Delivery
1849.03 Sellers' Invoice to Buyers
1849.04 Payment
1850.00 Duties of Members
1851.01 Office Deliveries Prohibited
1854.00 Failure to Accept Delivery

Regularity of Banks

1880.01 Banks

* These Rules and Regulations were current as of January 1, 1981 when this book went to press. Since amendments are often made to these rules, please contact the Chicago Board of Trade or a firm which is a member of the Chicago Board of Trade before relying on the rules and regulations published in this book.

U.S. TREASURY BONDS

Trading Conditions

1801.00 Authority—(See 1701.00 in GNMA-CDR Section).

1802.01 Application of Regulation—Futures transactions in long term U.S. Treasury Bonds shall be subject to the general rules of the Association as far as applicable and shall also be subject to the regulations contained in this chapter, which are exclusively applicable to trading in long term U.S. Treasury Bonds.

1804.01 Unit of Trading—The unit of trading shall be United States Treasury Bonds having a face value at maturity of one hundred thousand dollars ($100,000) or multiples thereof.

1805.01 Months Traded In—Trading in long term U.S. Treasury Bonds may be conducted in the current month and any subsequent months as determined by the Financial Instruments Committee or the Board.

1806.01 Price Basis—Minimum price fluctuations shall be in multiples of one thirty-second (1/32) point per 100 points ($31.25 per contract). Par shall be on the basis of 100 points. Contracts shall not be made on any other price basis.

1807.01 Hours of Trading—The hours of trading for future delivery in U.S. Treasury Bonds shall be determined by the Board. On the last day of trading in an expiring future, the closing time for such future shall be 12:00 noon subject to the provision of the second paragraph of Rule 1007.00. The market shall be opened and closed with a public call made month by month, conducted by such persons as the Pit Committee or the Board shall direct.

1808.01 Trading Limits—Trading is prohibited during any day in futures contracts of long term U.S. Treasury Bonds at prices more than one point ($1000 per unit of trading) above or below the Board of Trade Clearing Corporation settlement prices for such contracts on the previous business day. These provisions shall not apply to trading in the current month on and after the first notice thereof. (See 1708.01 in GNMA-CDR Section.)

1808.01A Trading Limits—(See 1708.01A in GNMA-CDR Section).

1809.01 Last Day of Trading—No trades in long term U.S. Treasury Bonds futures deliverable in the current month shall be made during the last seven business days of that month and any contracts remaining open must be settled by delivery or as provided in Regulation 1809.02 after trading in such contracts has ceased.

1809.02 Liquidation in the Last Seven Days of the Delivery Month—After trading in contracts for future delivery in the current delivery month has ceased in accordance with Regulation 1809.01 of this chapter, outstanding contracts may be liquidated by the delivery of book-entry U.S. Treasury Bonds (Regulation 1842.01) or by mutual agreement by means of a bona fide exchange of such current futures for the actual long term U.S. Treasury Bonds or comparable instruments. Such exchange must, in any event, be made no later than the fifth business day immediately preceding the last business day of the delivery month.

1810.01 Margin Requirements—Margin requirements shall be determined by the Board by regulation. (See 1710.01 in GNMA-CDR Section.)

1812.01 Reportable Positions—A position of 50 or more contracts, long or short, in any one future whether owned or controlled or carried for any member, either along or in conjunction with any other person, shall be a reportable position.

Every member, or partnership or corporation for which a membership is registered under Rule 230.00, shall report each and every reportable position to the Office of Investigations and Audits at such times and in such form and manner as shall be prescribed by the Business Conduct Committee.

The word "member" shall be construed to import the plural or singular and shall include individuals, associations, partnerships, corporations and trusts having any privilege of membership in the Board of Trade of the City of Chicago.

Delivery Procedures

1836.01 Standards—The contract grade for delivery on futures contracts made under these regulations shall be long term U.S. Treasury Bonds which if callable are not callable for at least 15 years or if not callable have a maturity of at least 15 years. All bonds delivered against a contract must be of the same issue. For settlement, the time

to maturity (time to call if callable) of a given issue is calculated in complete three month increments (i.e. 15 years and 5 months = 15 years and 1 quarter) from the first day of the delivery month. The price at which a bond with this time to maturity (time to call if callable) and with the same coupon rate as this issue will yield 8% according to bond tables prepared by the Financial Publishing Co. of Boston, Mass., is multiplied times the settlement price to arrive at the amount which the short involves the long.

Interest accrued on the bonds shall be charged to the long by the short in accordance with Department of the Treasury Circular 300, Subpart P.

New issues of long term U.S. Treasury Bonds which satisfy the standards in this regulation shall be added to the deliverable grade as they are issued. The Financial Instruments Committee or the Board shall have the right to exclude any new issue from deliverable status or to further limit outstanding issues from deliverable status. 3001.

1842.01 Deliveries on Futures Contracts—Deliveries against long term U.S. Treasury Bond futures contracts shall be by book-entry transfer between accounts of Clearing Members are qualified banks (Regulation 1880.01) in accordance with Department of the Treasury Circular 300, Subpart O = Book-Entry Procedure. Delivery must be made no later than the last business day of the month. Notice of intention to deliver shall be given to the Board of Trade Clearing Corporation by 8:00 p.m. on the second business day of the month, notice of intention to deliver may be given to the Clearing Corporation until 2:00 p.m. on the business day preceding delivery day (Regulation 1049.01). In the event the long Clearing Members does not agree with the terms of the invoice received from the short Clearing Member, the long Clearing Member must notify the short Clearing Member, and the dispute must be settled by 9:30 a.m. on delivery day. The short Clearing Member must have the bonds in acceptable (to his bank) delivery form by 10:00 a.m. on delivery day. He must notify his bank (Regulation 1880.01) to transfer contract grade U.S. Treasury Bonds by book-entry to the long Clearing Member's account on a delivery versus payment basis. That is, payment shall not be made until the bonds are delivered. The long Clearing Member must notify his bank (Regulation 1880.01) to accept contract grade U.S. Treasury Bonds and to remit in federal funds to the short Clearing Member's account at the short Clearing Member's bank (Regulation 1880.01) before 1:00 p.m. on delivery day. All deliveries must be assigned by the Clearing Corporation. Where a commission house as a member of the Clearing Corporation has an interest both long and short for customers on its own books, it must tender to the Clearing Corporation such notices of intention to deliver as it received from its customers who are short. 3011.

1842.02 Wire Failure—In the event that delivery cannot be accomplished because of a failure of the Federal Reserve Wire or because of a failure of either the long Clearing Member's bank or the short Clearing Member's bank access to the Federal Reserve wire, delivery shall be made before 9:30 a.m. on the next business day on which the Federal Reserve wire or bank access to it is operable. Interest shall accrue to the long paid by the short beginning on the day on which the bonds were to be originally delivered.

In the event of such failure, both the long and short must provide documented evidence that the instructions were given to their respective banks in accordance with Regulations 1842.01 and 1849.04 and that all other provisions of Regulations 1842.01 and 1849.04 have been compiled with. 3014.

1846.01 Date of Delivery—Delivery of U.S. Treasury Bonds may be made by the short upon any permissible delivery day of the delivery month the short may select. Delivery of U.S. Treasury Bonds must be made no later than the last business days of that month. 3012.

1847.00 Delivery Notice—(See 1747.00 in GNMA-CDR Section).

1847.01 Delivery Notices—(See 1747.01 in GNMA-CDR Section).

1848.00 Method of Delivery—(See 1748.00 GNMA-CDR Section).

1849.00 Time of Delivery, Payment, Form of Delivery Notice—(See 1749 in GNMA-CDR Section).

1849.02 Buyers' Report of Eligibility to Receive Delivery—(See 1749.02 in GNMA-CDR Section).

1849.03 Sellers' Invoices to Buyers—Upon determining the buyers obligated to accept deliveries tendered by issuers of delivery notices, the Clearing House shall promptly furnish each issuer the names of buyers obligated to accept delivery from him and a description of each commodity tendered by him which was assigned by the Clearing House to each such buyer. Thereupon, sellers (issuers of delivery notices) shall prepare

invoices addressed to their assigned buyers, describing the documents to be delivered to each such buyer. Such invoices shall show the amount which buyers must pay to sellers in settlement of the actual deliveries, based on the delivery prices established by the Clearing House, and adjusted for applicable interest payment. Such invoices shall show the amount which buyers must pay to sellers in settlement of the actual deliveries, based on the delivery prices established by the Clearing House, and adjusted for applicable interest payments. Such invoices shall be delivered to the Clearing House, and adjusted for applicable interest payments. Such invoices shall be delivered to the Clearing House by 2:00 p.m. on the day of intention, except on the last intention day of the month where such invoices shall be delivered to the Clearing House by 3:00 p.m. Upon receipt of such invoices, the Clearing House shall promptly make them available to buyers to whom they are addressed, by placing them in buyers' mail boxes provided for that purpose in the Clearing House.

1894.04 Payment—Payment shall be made in federal funds. The long obligated to take delivery must take delivery and make payment before 1:00 p.m. on the day of delivery except on banking holidays when delivery must be taken and payment make before 9:30 a.m. the next banking business day. Adjustments for differences between contract prices and delivery prices established by the Clearing House shall be made with the Clearing House in accordance with its By-Laws and Resolutions. 3013.

1850.00 Duties of Members—(See 1750.00 in GNMA-CDR Section).

1851.01 Office Deliveries Prohibited—(See 1751.01 in GNMA-CDR Section).

1854.00 Failure to Accept Delivery—(See 1754.00 in GNMA-CDR Section).

Regularity of Banks

1880.01 Banks—For purposes of these regulations relating to trading in long term U.S. Treasury Bonds, the word "Bank" (Regulation 1842.01) shall mean a U.S. commercial bank (either Federal or State charter) that is a member of the Federal Reserve System and with capital (capital, surplus and undivided earnings) in excess of one hundred million dollars ($100,000,000).

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

March 1980

Jan	Open		High	Low	Close	
1	HOLIDAY					
2	82-02	81-31	82-02h	80-27	80-27	80-28
3	80-15	80-12	80-19	80-00	80-17	80-15
4	80-10	80-16	80-25	80-00	80-05	80-04
7	79-14	79-24	80-10	79-14	80-10	80-08
8	80-13	80-15	80-30	80-05	80-26	80-23
9	81-02	81-04	81-04	80-14	80-20	80-21
10	80-22	80-18	81-04	80-15	80-31	81-02
11	80-28	80-26	80-28	79-27	79-27	79-29
14	79-30	79-25	80-05	79-15	79-18	79-20
15	79-10	79-14	80-01	79-10	79-26	79-27
16	79-19	79-20	80-03	79-16	79-24	79-26
17	80-06	80-10	80-10	79-00	79-02	79-04
18	78-16	78-20	78-21	77-29	78-05	78-04
21	77-20	77-24	77-24	76-19	76-23	76-24
22	77-02	77-05	77-20	77-02	77-16	77-17
23	77-06	77-03	77-23	77-03	77-15	77-17
24	77-18	77-20	77-20	75-23	75-29	75-31
25	75-08	75-12	75-15	74-29	75-01	74-31
28	75-01	74-30	75-09	74-18	74-23	74-25
29	74-31	75-00	75-04	73-28	74-02	74-01
30	74-03	74-05	74-21	73-22L	74-09	74-10
31	74-05	74-06	75-06	74-05	74-14	74-15

June 1980

Open		High	Low	Close	
82-23	82-24	82-24h	81-19	81-20	
81-12	81-05	81-12	80-24	81-08	81-06
81-05	81-06	81-17	80-24	80-30	80-29
80-10	80-12	81-01	80-09	81-01	
81-07	81-08	81-25	80-30	81-16	81-17
81-26	81-27	81-27	81-06	81-12	
81-12	81-13	81-26	81-08	81-23	81-24
81-20	81-16	81-20	80-19	80-20	80-22
80-19	80-15	80-27	80-06	80-10	80-11
80-03	80-05	80-24	80-03	80-16	80-17
80-10	80-12	80-26	80-10	80-15	80-17
81-00	80-28	81-00	79-22	79-24	
79-07	79-08	79-12	78-20	78-29	
78-16	78-12	78-17	77-07	77-12	77-11
77-27	77-29	78-10	77-23	78-06	78-07
77-24	77-26	78-14	77-24	78-06	78-08
78-08	78-10	78-10	76-09	76-19	76-17
75-25	76-06	76-07	75-17	75-20	75-21
75-20	75-22	75-30	75-06	75-13	75-15
75-20	75-21	75-25	74-15	74-20	
74-23	74-22	75-10	74-07L	74-28	74-26
74-22		75-25	74-22	75-03	75-04

September 1980

Open		High	Low	Close	
83-12		83-12h	82-05	82-07	
81-27	81-24	81-27	81-13	81-25	
81-22		82-04	81-12	81-15	
80-24		81-22	80-24	81-22	
81-28		82-09	81-19	82-03	
82-12	82-15	82-15	81-25	81-30	81-28
81-29		82-11	81-28	82-09	
82-03		82-03	81-07	81-07	81-08
81-02	81-01	81-12	80-26	80-29	80-28
80-24	80-23	81-07	80-23	81-02	
80-30	80-28	81-10	80-28	81-04	
81-17	81-16	81-17	80-10	80-11	
79-26	79-31	79-31	79-11	79-20	
79-00	79-03	79-03	77-29	78-01	78-02
78-18	78-23	78-28	78-14	78-28	
78-20		79-04	78-17	78-29	
78-30		78-30	76-29	77-12	
76-24		76-24	76-05	76-12	76-08
76-08	76-11	76-17	75-30	76-04	
76-11		76-16	75-09	75-10	
75-11		76-02	75-02L	75-22	
75-19		76-18	75-19	75-25	

December 1980

Jan	Open		High	Low	Close	
1	HOLIDAY					
2	83-24	83-22	83-24h	82-15	82-15	
3	82-02	82-05	82-06	81-25	82-04	
4	82-05		82-13	81-22	81-26	81-27
7	81-13		81-31	81-09	81-31	
8	82-03		82-17	81-29	82-13	
9	82-23		82-23	82-02	82-06	
10	82-06		82-20	82-05	82-17	
11	82-13		82-13	81-16	81-19	
14	81-14		81-23	81-02	81-06	81-05
15	81-00	80-31	81-17	80-31	81-12	81-13
16	81-06	81-04	81-21	81-04	81-15	
17	81-27	81-24	81-27	80-21	80-24	80-25
18	80-09	80-12	80-12	79-28	80-04	80-05
21	79-22	79-20	79-22	78-17	78-21	78-20
22	79-07	79-04	79-16	79-00	79-12	
23	79-01	79-04	79-20	79-01	79-13	
24	79-11		79-13	77-16	77-28	
25	77-17	77-19	77-19	76-25	76-28	
28	76-28	76-29	77-05	76-18	76-26	
29	77-07		77-07	75-28	76-01	
30	76-03		76-21	75-23L	76-07	
31	76-05	76-04	77-06	76-04	76-12	

March 1981

Open		High	Low	Close	
83-17		83-18h	82-14	82-14	
82-02	82-04	82-04	81-23	82-01	
82-03		82-15	81-23	81-24	
81-11		81-28	81-07	81-28	
82-07		82-16	81-30	82-13	
82-11		82-14	82-02	82-06	
82-11		82-19	82-11	82-15	
82-00		82-05	81-17	81-19	
81-15		81-23	81-06	81-07	
81-02	81-00	81-18	81-00	81-14	
81-09		81-21	81-08	81-18	
81-28		81-28	80-26	80-29	
80-16	80-15	80-17	79-31	80-13	
80-00		80-00	78-29	78-30	
79-18	79-22	79-25	79-14	79-24	
79-15		79-29	79-14	79-23	
79-17		79-17	77-31	78-10	
78-00		78-00	77-06	77-12	77-10
77-12		77-17	77-02	77-06	
77-10		77-16	76-14	76-14	
76-16	76-18	77-06	76-08L	76-23	
76-28		77-14	76-24	76-29	

June 1981

Open		High	Low	Close	
83-15		83-15h	82-10	82-10	
82-01		82-01	81-24	82-00	
82-00		82-12	81-20	81-20	
81-01		81-26	81-01	81-26	
82-06		82-13	81-30	82-10	
82-08		82-11	82-01	82-04	
82-09		82-18	82-09	82-14	
82-00		82-05	81-16	81-16	
81-13		81-24	81-04	81-07	
81-00	80-30	81-16	80-30	81-13	
81-09		81-21	81-09	81-19	
81-26		81-26	80-26	80-27	
80-16		80-16	80-00	80-12	
79-25		79-28	78-30	78-31	
79-25		79-26	79-15	79-24	
79-15	79-14	79-28	79-14	79-24	
79-24		79-24	78-04	78-11	
77-30	78-03	78-03	77-11	77-11	
77-21		77-21	77-07	77-10	
77-18		77-20	76-18	76-18	
76-19		77-08	76-14L	76-30	
77-00		77-15	76-31	76-31	

September 1981

Jan	Open	High	Low	Close
1	HOLIDAY			
2	83-07	83-07h	82-07	82-07
3	81-26	81-28	81-20	81-28
4	81-28	82-01	81-15	81-15
7	81-00	81-23	81-00	81-23
8	81-26	82-10	81-26	82-08
9	82-08	82-09	81-31	82-01
10	82-04	82-14	82-04	82-12
11	82-06	82-06	81-12	81-12
14	81-06	81-15	81-02	81-06
15	81-11	81-11	81-03	81-10
16	81-06	81-16	81-06	81-16
17	81-23	81-24	80-24	80-24
18	80-13	80-13	80-05	80-10
21	79-15	79-15	78-29	78-29
22	79-25	79-25	79-14	79-22
23	79-13	79-25	79-13	79-22
24	79-04	79-04	77-30	78-09
25	77-18	77-21	77-08	77-12
28	77-16	77-19	77-04	77-07
29	77-08	77-16	76-16	76-16
30	76-20	77-07	76-11L	76-27
31	77-08	77-16	77-00	77-00

December 1981

Open	High	Low	Close	
83-09	83-09h	82-03	82-03	
81-22	81-24	81-13	81-22	
81-24	82-00	81-14	81-14	
81-00	81-20	81-00	81-20	
81-28	82-07	81-20	82-05	
82-05	82-05	81-30	81-31	
82-01	82-10	82-01	82-09	
82-05	82-05	81-09	81-09	
81-07	81-13	81-00	81-04	
81-07	81-08	81-02	81-08	
81-03	81-13	81-03	81-13	
81-21	81-21	80-22	80-22	
80-10	80-10	79-28	80-07	
79-24	79-24	78-26	78-26	
79-06	79-22	79-06	79-22	
79-14	79-24	79-11	79-20	
79-20	79-20	77-30	78-05	
77-13	77-22	77-11	77-11	
77-13	77-13	77-01	77-04	
77-10	77-13	76-14L	76-14	
76-17	77-02	76-16	76-25	
77-07	77-12	76-28	76-28	

March 1982

Open	High	Low	Close	
83-05	83-05h	82-00	82-00	
81-20	81-21	81-16	81-21	
81-21	81-26	81-11	81-11	
80-29	81-17	80-29	81-17	
81-28	82-04	81-20	82-03	
82-09	82-09	81-27	81-27	
81-27	82-07	81-27	82-06	
81-31	81-31	81-05	81-05	
81-06	81-10	80-27	81-02	
80-25	81-06	80-25	81-04	81-05
80-31	81-10	80-31	81-10	
81-20	81-20	80-19	80-19	
80-05	80-06	79-31	80-05	
79-20	79-20	78-23	78-23	
79-15	79-18	79-12	79-18	
79-08	79-20	79-08	79-18	
78-23	78-23	77-25	78-00	
77-15	77-16	77-08	77-08	
77-11	77-11	76-30	77-02	
77-07	77-10	76-08L	76-08	
76-16	76-29	76-16	76-23	
77-06	77-14	76-24	76-25	

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jan	June 1982 Open	High	Low	Close	September 1982 Open	High	Low	Close	
1	HOLIDAY								
2	82-28	82-28h	81-29	81-29	82-20	82-20h	81-25	81-25	
3	81-17	81-18	81-13	81-18				81-16n	
4	81-19	81-19	81-08	81-08	81-11	81-11	81-05	81-05	
7	81-01	81-15	81-01	81-15	80-30	81-12	80-30	81-12	
8	81-26	82-00	81-18	82-00	81-21	81-29	81-15	81-29	
9	81-31	81-31	81-24	81-24	81-28	81-29	81-22	81-22	
10	81-25	82-04	81-25	82-03	81-24	82-01	81-24	82-00	
11	81-24	81-24	81-01	81-01	81-17	81-18	80-30	80-30	
14	80-30	81-07	80-25	80-30	80-26	81-04	80-26	80-27	
15	80-21	81-04	80-21	81-01				80-29n	
16	81-05	81-08	81-05	81-07				81-04n	
17	81-13	81-13	80-17	80-17	81-11	81-11	80-19	80-19	
18	79-30	80-04	79-30	80-03				79-31n	
21	79-21	79-21	78-21	78-21	78-29	78-29	78-18	78-18	
22	79-10	79-17	79-10	79-17	79-08	79-15	79-08	79-15	
23	79-09	79-16	79-09	79-16	79-06	79-17	79-06	79-14	
24	79-07	79-07	77-23	77-29	78-18	78-18	77-21	77-27	
25	77-14	77-14	77-06	77-06	77-15	77-15	77-05	77-06	77-05
28	77-08	77-08	76-30	77-00	77-07	77-07	76-28	76-30	
29	77-09	77-09	76-08L	76-08	76-29	76-29	76-05L	76-05	
30	76-18	76-26	76-18	76-21	76-16	76-24	76-16	76-19	
31	77-05	77-10	76-24	76-24	77-04	77-06	76-22	76-22	

U.S. Bonds Volume Of Sales

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
1	HOLIDAY											
2	6,297	3,107	1,132	1,099	698	541	1,077h	709	178	133	34	15,005
3	7,949	3,444	1,069	773	476	364	407	185	72	23		14,762
4	7,021	2,123	1,249	1,015	884	322	422	122	124	48	6	13,336
7	7,523	2,677	978	603	464	435	266	135	30L	19L	2	13,132
8	9,528	2,868	1,514	638	523	289	327	428	486	25	1L	16,627
9	6,613	1,397L	612	320L	278	200	426	174	70	53	1	10,144L
10	5,949	2,173	1,052	440	697	192	579	347	402	58	1	11,890
11	7,604	2,333	839	379	217L	72L	46L	61L	193	37	101	11,882
14	9,541h	1,908	770	446	362	147	75	79	42	29	1	13,400
15	7,813	2,016	523L	496	515	330	60	93	31	43		11,920
16	6,137	2,187	930	632	516	453	353	211	143	32		11,594
17	9,053	2,345	1,202	843	440	269	125	90	53	39	10	14,469
18	8,264	2,142	1,207	1,421	641	227	164	121	122	65		14,374
21	8,011	4,311h	2,314h	2,006h	804	669	599	305	33	104	6	19,162h
22	7,148	3,081	1,960	1,361	1,005	397	323	214	198	206	106	15,999
23	4,806L	1,799	1,509	1,170	299	685h	283	369	101	25	23	11,069
24	8,121	3,012	1,167	1,348	1,288h	310	322	123	216	188	12	16,107
25	6,684	3,456	1,588	1,586	876	419	368	103	159	56	18	15,313
28	6,075	2,202	835	880	541	537	501	796h	986h	563h	318h	14,234
29	7,339	2,667	610	644	612	590	1,020	774	381	314	12	14,963
30	8,130	3,835	1,266	1,253	579	568	471	517	646	224	41	17,530
31	7,057	3,544	863	886	572	395	351	162	271	38	14	14,153
Total	162,663	58,627	25,189	20,239	13,287	8,411	8,565	6,118	4,937	2,322	707	311,065

U.S. Bonds Open Contracts

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
1	HOLIDAY											
2	11,614	9,817	11,155h	11,256h	10,193h	8,272h	9,905h	8,221h	5,599h	2,114	190	88,336h
3	11,434	9,887	11,071	11,033	10,158	8,157	9,688	8,157	5,543	2,109	190	87,427
4	11,499	9,759	10,916	11,088	9,804	8,170	9,535	8,027	5,484	2,083	186L	86,551
7	11,528	9,722	10,726	11,109	9,696	8,068	9,466	8,221	5,508	2,091	186	86,321
8	11,657	9,910	10,636	10,850	9,530	8,004	9,439	8,129	5,259	2,066	186	85,666
9	11,491	9,794	10,453	10,818	9,409	7,956	9,186	8,026	5,263	2,050	186	84,632
10	11,856h	9,998h	10,628	10,934	9,435	7,837	8,830	7,749	5,148	2,026	186	84,627
11	11,477	9,736	10,050	10,467	9,287	7,823	8,805	7,695	5,116	2,022	189	82,667
14	11,049	9,420	9,916	10,792	8,931	7,791	8,763	7,684	5,113	2,019	189	81,667
15	10,929	9,530	9,865	10,875	8,912	7,785	8,776	7,703	5,100	2,031	189	81,695
16	10,988	9,378	9,781	10,844	8,881	7,778	8,760	7,544	4,992	2,021	189	81,156
17	10,478	9,290	9,663	10,657	8,929	7,743	8,568	7,538	4,869	2,011	189	79,535
18	10,249	9,159	9,545	10,678	8,288	7,791	8,568	7,557	4,880	1,983	189	78,887
21	9,945	9,214	8,750	10,205	8,572	7,821	8,725	7,489	4,877	1,957L	191	77,746
22	9,598	8,844	8,480	10,005	8,416	7,773	8,630	7,512	4,805	1,996	266	76,325
23	9,364	8,726L	8,392	9,894	8,340	8,016	8,514	7,712	4,757	1,994	286	76,015
24	9,220	8,741	8,149	9,757	8,643	7,726	8,371	7,641	4,717L	2,066	296	75,327
25	9,112	9,097	7,813	9,722	8,408	7,568	8,080L	7,316	4,732	2,111	306	74,265
28	8,756	8,796	7,890	9,409	8,290	7,449	8,133	7,314L	4,929	2,283	436	73,685
29	8,695	8,963	7,648	9,251	8,068	7,291	8,208	7,397	4,995	2,304	473	73,293
30	8,028	9,124	7,721	9,232	7,782	7,142	8,119	7,443	4,929	2,320h	507	72,347
31	7,707L	8,926	7,456L	9,198L	7,774L	7,122L	8,089	7,352	4,957	2,313	520h	71,414L

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

March 1980

Feb	Open		High	Low	Close	
1	74-10	74-16	74-19h	73-14	73-22	73-29
4	73-21	73-26	73-26	72-28	73-05	73-01
5	73-10	73-13	73-13	71-01	71-03	71-01
6	71-05	71-10	71-10	69-03	70-11	70-13
7	69-10	69-07	71-20	69-07	71-05	71-07
8	72-00	71-27	72-29	70-24	71-16	71-14
11	71-18	71-12	71-18	69-18	69-22	69-23
12	69-12	69-14	69-14	68-23	69-00	69-03
13	69-04	69-14	70-11	69-02L	70-05	70-06
14	70-30	71-00	71-05	69-07	69-30	69-28
15	69-00	69-18	69-18	67-29	68-12	68-11
18	HOLIDAY					
19	67-20	67-12	67-20	66-10	66-10a	
20	65-10	65-15	66-22	65-10	65-25	65-27
21	66-03	66-06	66-06	64-02	64-13	64-14
22	63-13	63-02	66-13	62-27L	66-13	66-07
25	66-13	66-05	66-28	65-06	65-08	65-10
26	64-15	64-11	65-13	64-05	65-09	65-12
27	65-07	65-08	66-16	65-03	65-03	65-04
28	65-25	66-02	67-04	65-25	67-04b	
29	68-16	68-20	68-20	67-00	68-20	

June 1980

Open		High	Low	Close	
75-04	75-03	75-07h	74-00	74-11	74-14
74-10	74-07	74-10	73-17	73-23	73-20
73-29	74-02	74-02	71-21	71-21	71-21a
71-22	71-23	71-23	69-21	70-31	70-27
70-07	70-00	72-06	70-00	71-26	71-27
72-18	72-27	73-20	71-10	71-31	72-02
71-29	71-26	71-29	70-01	70-04	70-02
69-30	69-25	69-30	69-03	69-18	69-15
69-22	69-25	70-24	69-13	70-18	70-19
71-06	71-18	71-18	69-22	70-11	70-12
69-14	69-00	69-15	68-12	68-25	68-27
68-00	67-26	68-00	66-26	66-26a	
66-00	66-10	67-07	65-26	66-09	66-10
66-18	66-20	66-20	64-14	64-26	64-28
63-24	63-29	66-27	63-15L	66-25	66-27
66-21	66-25	67-14	65-26	65-31	65-29
65-00	65-09	66-04	64-21	65-28	66-00
65-28	66-04	67-12	65-28	65-30	65-29
66-20	67-03	67-29	66-20	67-29b	
68-30	69-00	69-16	67-22	69-01	68-31

September 1980

Open		High	Low	Close	
75-27	75-28	75-28h	74-23	75-02	75-03
74-31	74-30	75-00	74-09	74-12	
74-24		74-24	72-12	72-12a	
72-14	72-16	72-16	70-12	71-18	71-20
70-30	70-29	72-28	70-28	72-14	72-17
73-08	73-15	74-05	72-00	72-21	
72-12		72-12	70-22	70-22	
70-13	70-18	70-18	69-22	70-03	70-04
70-08	70-05	71-11	70-02	71-06	
72-00	72-02	72-03	70-10	71-00	70-31
70-15	70-10	70-15	69-00	69-19	
68-20	68-24	68-24	67-17	67-17a	
66-28	67-00	67-29	66-17	67-00	
67-08	67-10	67-11	65-06	65-15	
64-18	64-20	67-17	64-05L	67-15	67-17
67-12		68-02	66-15	66-18	
65-29	65-24	66-23	65-13	66-17	66-19
66-23		67-30	66-17	66-18	66-17
67-16	67-20	68-17	67-13	68-17	68-17b
69-08	69-15	69-30	68-15	69-26	

December 1980

Feb	Open		High	Low	Close	
1	76-12		76-14h	75-12	75-23	
4	75-18		75-18	74-28	75-00	
5	75-10		75-10	72-30	72-30	72-30a
6	73-01		73-01	70-30	72-05	
7	71-00	71-03	73-15	71-00	72-31	
8	73-30		74-24	72-12	73-02	
11	72-25	72-26	72-26	71-07	71-07	71-07a
12	71-02	71-00	71-02	70-05	70-21	70-22
13	70-30		71-29	70-22	71-27	71-29
14	72-16	72-20	72-20	70-29	71-15	
15	70-21	70-28	70-28	69-19	70-08	
18	HOLIDAY					
19	69-05	69-09	69-09	68-05	68-05a	
20	67-20		68-16	67-02	67-20	
21	67-31		67-31	65-27	66-04	
22	65-06		68-05	64-24L	68-04	68-05
25	67-31		68-19	67-00	67-03	
26	66-10	66-15	67-10	66-02	67-06	
27	67-08		68-18	67-06	67-06	
28	68-08	68-06	69-06	67-31	69-06b	
29	70-00	70-06	70-15	69-04	70-14	

March 1981

Open		High	Low	Close	
76-20		76-25h	75-25	76-03	
76-00		76-00	75-10	75-12	
75-22		75-22	73-11	73-11a	
73-11		73-11	71-11	72-10	
71-28		73-20	71-23	73-05	
74-08		74-28	72-26	73-09	
72-30		73-00	71-14	71-14	71-14a
71-00	70-31	71-06	70-14	70-30	
71-03		72-07	71-03	72-05	
72-28	72-29	73-01	71-10	71-26	
70-30		70-30	70-05	70-22	
69-22		69-22	68-18	68-18a	
68-00	68-01	68-28	67-21	68-00	
68-09		68-09	66-08	66-15	
65-15		68-17	65-14L	68-17	
68-10		68-31	67-15	67-16	
66-26		67-20	66-18	67-12	67-14
67-15		68-18	67-15	67-19	
68-17		69-18	68-17	69-18b	
70-15	70-16	70-28	69-18	70-28	

June 1981

Open	High	Low	Close
76-29	76-29h	76-00	76-06
76-04	76-04	75-14	75-16
75-24	75-24	73-16	73-16a
73-00	73-00	71-16	72-12
72-00	73-20	71-27	73-08
73-31	75-00	72-30	73-10
72-18	72-27	71-17	71-17a
71-08	71-08	70-17	71-00
71-00	72-09	71-00	72-07
72-31	73-02	71-14	71-30
70-20	70-30	70-10	70-30
70-05	70-05	68-23	68-23a
68-05	69-00	67-27	68-04
68-05	68-12	66-18	66-19
65-08	68-21	65-04L	68-18
68-14	69-01	67-20	67-20
67-08	67-30	67-03	67-20
68-00	68-20	67-23	67-23
68-22	69-23	68-22	69-23b
70-25	71-01	69-28	71-01

September 1981

Feb	Open		High	Low	Close	
1	76-28		76-30h	76-00	76-05	
4	75-31		75-31	75-14	75-14	
5	75-05		75-05	73-14	73-14a	
6	72-00		72-10	71-14	72-10	
7	71-30		73-20	71-30	73-08	
8	73-30		74-20	72-31	73-10	
11	72-17		72-26	71-17	71-17a	
12	70-27		71-02	70-20	71-00	
13	71-19		72-05	71-19	72-05	
14	72-25		72-27	71-16	71-30	
15	70-10		70-26	70-10	70-26	
18	HOLIDAY					
19	69-24		69-24	68-23	68-23a	
20	68-05		68-26	68-00	68-08	
21	68-06		68-10	66-15	66-15	
22	65-25		68-22	65-25L	68-18	
25	69-05		69-05	67-21	67-21	
26	67-07		67-20	67-05	67-20	
27	68-04		68-20	67-20	67-20	
28	68-24		69-24	68-20	69-24b	
29	70-22		71-01	69-28	71-01	

December 1981

Open		High	Low	Close	
76-21		76-24h	75-31	76-03	
75-21		75-21	75-12	75-12	
75-05		75-05	73-12	73-12a	
73-10	73-12	73-12	71-15	72-08	
71-29		73-24	71-28	73-07	
74-12		75-00	72-26	73-10	
72-22		72-22	71-16	71-16a	
71-02		71-05	70-20	70-31	
70-31		72-06	70-31	72-06	
72-24		72-24	71-14	71-29	
70-15		70-25	70-15	70-25	
68-26		68-26	68-23	68-23a	
68-08	68-04	68-27	68-00	68-08	
68-07		68-15	66-14	66-14	
65-19	65-20	68-22	65-19L	68-16	
68-11		69-05	67-20	67-20	
66-24		67-24	66-24	67-20	
67-27		68-26	67-20	67-20	
68-21		69-24	68-21	69-24b	
70-26		71-01	69-24	71-01	

March 1982

Open	High	Low	Close
76-19	76-22h	75-31	76-00
75-17	75-18	75-10	75-10
75-17	75-17	73-10	73-10a
73-10	73-10	71-17	72-06
71-28	73-21	71-28	73-06
74-03	74-15	72-29	73-07
72-18	72-21	71-15	71-15a
70-29	71-02	70-15	70-29
71-20	72-02	71-20	72-02
72-28	72-28	71-16	71-28
70-14	70-24	70-14	70-24
70-00	70-00	68-22	68-22a
68-00	68-30	68-00	68-03
68-15	68-15	66-13	66-13
65-25	68-21	65-23L	68-20
68-07	68-30	67-19	67-19
66-28	67-26	66-28	67-20
68-00	68-28	67-20	67-20
69-22	69-24	69-22	69-24b
70-19	71-01	69-28	71-01

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Feb	June 1982 Open	High	Low	Close	September 1982 Open	High	Low	Close	
1	76-18	76-18h	75-30	75-30	76-15	76-17h	75-28	75-28	
4	75-15	75-18	75-08	75-08	75-14	75-14	75-06	75-06	
5	74-18	74-18	73-08	73-08a	74-28	74-28	73-06	73-06a	
6	71-26	73-10	71-16	72-04	71-15	72-10	71-15	72-02	
7	71-27	73-17	71-27	73-05	71-26	73-15	71-26	73-04	
8	74-02	74-15	72-28	73-05	74-01	74-15	72-27	73-05	
11	72-17	72-27	71-14	71-14a	72-16	72-16	71-13	71-13a	
12	70-23	71-01	70-16	70-26	71-00	71-00	70-16	70-27	
13	71-13	72-01	71-13	72-01	71-00	72-01	71-00	72-01	
14	72-26	72-26	71-16	71-27	72-20	72-27	71-16	71-26	
15	70-05	70-25	70-05	70-23	70-24	70-24	70-13	70-22	
18	HOLIDAY								
19	69-10	69-10	68-21	68-21a	68-20	68-20	68-20	68-20a	
20	68-01	68-27	68-01	68-02	68-00	68-25	68-00	68-02	
21	68-07	68-07	66-12	66-12	68-13	68-13	66-11	66-11	
22	65-23	68-20	65-23L	68-18	65-24	68-19	65-24L	68-18	
25	68-00	68-30	67-18	67-18	68-07	68-30	67-17	67-17	
26	66-23	67-26	66-23	67-20	67-00	67-26	67-00	67-20	
27	68-00	68-20	67-20	67-20	68-00	68-20	67-20	67-20	
28	68-24	69-24	68-22	69-24b	68-23	69-24	68-23	69-24b	
29	70-16	71-01	70-16	71-01	70-10	71-01	69-28	71-00	71-01

U.S. Bonds Volume Of Sales

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
1	7,444	3,561	701	620	243	128	279	406	372	90	39	13,883
4	7,047	2,248L	378L	204L	183L	573	604	174	83	11	16	11,521
5	10,232h	5,573	1,540	826	442	959	680	375	77	66	24	20,794
6	7,352	4,916	2,028	1,764	1,051	620	441	1,839h	1,428h	1,124h	298	22,861h
7	8,478	5,843	1,830	1,454	953	406	466	191	219	136	76	20,052
8	8,192	5,467	992	1,098	461	295	325	167	99	63	2	17,161
11	5,661	4,182	863	1,508	530	200	479	309	436	321	236	14,725
12	3,327	3,927	679	768	645	466	513	618	446	284	186	11,859
13	6,180	7,418	1,731	1,055	1,615h	538	454	121	212	146	8	19,478
14	4,685	8,243	1,186	1,152	678	376	218	94	52	55	17	16,756
15	3,345	7,232	1,853	1,111	506	434	357	117	75	69	46	15,145
18	HOLIDAY											
19	1,689	2,569	1,403	870	348	122	191	29L	92	49	1L	7,363L
20	3,343	12,301	1,757	1,590	572	450	484	258	332	300	253	21,740
21	2,988	11,071	1,447	819	442	274	130	871	750	563	399h	19,754
22	2,121	11,008	1,644	1,842h	454	992h	1,020h	1,223	1,281	726	151	22,462
25	1,422	8,836	1,104	1,236	364	546	272	198	121	59	40	14,198
26	1,719	10,128	1,679	1,061	466	130	197	265	110	69	65	15,889
27	2,078	13,588h	2,050h	1,185	424	79	341	343	343	186	14	20,631
28	1,674	6,312	1,447	756	254	193	349	244	26L	20	11	11,286
29	899L	10,336	1,955	978	348	56L	78L	74	100	3L	3	14,830
Total	89,876	144,759	28,267	21,897	11,079	7,837	7,878	7,916	6,654	4,340	1,885	332,388

U.S. Bonds Open Contracts

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	Total
1	7,500	8,898L	7,440	9,140	7,763	6,965h	8,056	7,240h	4,938	2,300L	554L	70,794
4	7,364	9,090	7,443	9,249h	7,728	6,800	7,870	7,227	4,959	2,311	568	70,609
5	6,787	8,988	7,425	9,114	7,738	6,943	7,759	7,208	4,991	2,356	577	69,886
6	7,174	9,223	7,378	9,023	7,764h	6,818	9,227h	7,119	5,109	2,759	789	71,383
7	8,071h	9,395	7,207	9,036	7,715	6,881	7,615	7,006	5,152h	2,895	753	71,726h
8	7,063	9,367	7,034	9,019	7,549	6,794	7,580	6,848	5,058	2,879	751	69,942
11	7,204	9,763	7,075	9,101	7,337	6,679	7,427	6,569	4,894	2,897	831	69,777
12	6,804	9,959	7,029	8,953	7,307	6,606	7,238	6,449	4,873	2,973	959	69,150
13	6,908	9,857	6,987L	8,641	7,452	6,363	7,206	6,483	4,914	2,945	957	68,713
14	6,715	9,943	7,022	8,697	7,479	6,527	7,201	6,445	4,762	2,966	956	68,713
15	6,251	10,234	7,064	8,525	7,369	6,327L	7,089	6,436	4,783	3,029	990	68,097
18	HOLIDAY											
19	5,935	10,046	7,263	8,460	7,229	6,345	7,048L	6,298L	4,817	3,055	990	67,486
20	5,269	9,440	7,494	8,239	7,039	6,388	7,068	6,327	4,839	3,078	1,088	66,269
21	4,430	10,005	7,440	8,331	7,094	6,411	7,095	6,441	4,596L	3,412	1,362	66,617
22	4,102	10,006	7,590	8,293	7,039	6,431	7,247	6,665	4,823	3,488	1,430	67,114
25	3,886	9,951	7,558	8,242	6,809	6,428	7,276	6,625	4,869	3,465	1,436h	66,545
26	3,705	10,205	7,555	8,037	6,742L	6,522	7,293	6,542	4,814	3,475	1,417	66,307
27	3,372	11,044h	7,648	8,016	6,781	6,541	7,231	6,457	4,910	3,563h	1,430	66,993
28	2,992L	10,196	7,709h	7,892L	6,835	6,618	7,347	6,560	4,905	3,555	1,427	66,036L
29	3,139	10,242	7,701	8,002	6,864	6,608	7,364	6,582	4,882	3,552	1,426	66,362

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

March 1980

Mar	Open		High	Low	Close	
3	68-14	68-10	68-14	66-24	66-28	
4	67-13		67-16	66-04	67-12	
5	67-00		67-00	66-10	66-26	
6	66-10		66-10	64-28	65-10a	
7	64-07		66-17	64-07L	66-10	
10	66-26	66-27	68-15	66-09	68-13	68-12
11	68-05		69-04	68-00	69-00	69-04
12	68-18		68-18	67-10	67-10	
13	67-13		68-06	66-25	68-05	
14	68-12		68-12	67-28	67-30	
17	67-20		68-22	66-20	68-16	68-18
18	69-08		70-11h	69-08	69-21	
19	69-14		69-14	69-14	69-14	
20	69-20		69-20	67-30	67-28b	67-30a
21						
24						
25						
26						
27						
28						
31						

June 1980

Open		High	Low	Close	
69-00	68-19	69-00	67-20	67-26	67-28
67-29	67-10	68-15	66-29	68-06	68-08
67-29	67-15	67-31	67-10	67-20	67-23
67-26	67-28	67-28	65-22	66-08	66-05
65-08	65-00	67-20	64-30L	67-14	67-11
67-24	67-12	69-12	66-29	69-12	
69-20	69-13	70-18	69-00	70-00	70-03
69-16	69-05	69-16	68-02	68-12	68-10
67-25	67-12	69-16	67-11	69-07	69-09
69-20	69-10	69-26	68-21	69-02	69-04
68-28	68-10	69-30	67-22	69-30	69-24
70-19	71-00	71-24h	70-03	70-06	70-08
69-27	69-20	71-03	69-19	70-15	70-19
70-12	70-27	71-01	68-22	68-28	68-24
68-17	68-08	68-29	67-26	68-11	68-09
67-00	67-08	67-08	66-09	66-09a	
65-10	65-00	66-21	65-00	65-26	65-28
66-10	66-17	67-24	66-05	66-06	66-08
65-20	65-25	66-29	65-12	65-31	66-10
67-00	67-17	68-01	66-28	67-28	67-30
67-24	67-20	68-03	67-04	67-29	67-31

September 1980

Open		High	Low	Close	
69-11	69-17	69-17	68-12	68-18	68-17
68-16	68-19	69-06	67-23	69-00	68-31
68-11		68-26	68-04	68-14	68-13
68-21		68-21	66-22	67-02	
66-01	66-02	68-17	65-30L	68-11	
68-11	68-06	70-10	68-00	70-10	70-10b
70-14	70-10	71-18	69-31	71-01	
70-10		70-14	69-06	69-11	
68-20	68-17	70-18	68-13	70-12	70-13
70-18	70-13	70-28	69-22	70-09	70-10
69-21	69-28	71-02	68-20	70-31	71-00
71-20	71-23	72-29h	71-06	71-11	71-09
70-28	70-15	72-01	70-15	71-20	
71-26	71-25	72-04	69-26	69-29	
69-17	69-16	70-02	68-30	69-12	
68-12	68-14	68-14	67-12	67-12a	
66-00	66-05	67-22	66-00	66-28	66-29
67-17	67-20	68-25	67-10	67-11	67-12
66-29	66-22	67-24	66-12	66-23	66-26
67-20	67-26	68-25	67-20	68-14	68-16
68-14		68-25	67-26	68-19	

December 1980

Mar	Open		High	Low	Close	
3	70-00	70-05	70-05	69-04	69-13	69-14
4	69-12		70-00	68-15	69-28	69-25
5	69-10		69-17	68-30	69-10	69-12
6	69-16	69-18	69-18	67-22	68-01	68-00
7	67-00	67-04	69-15	67-00L	69-12	
10	69-08		71-08	69-03	71-08b	
11	71-10	71-08	72-15	70-30	71-30	
12	71-12	71-08	71-12	70-04	70-11	70-09
13	69-12	69-14	71-16	69-12	71-10	
14	71-19	71-15	71-27	70-20	71-10	
17	70-28	70-23	72-05	69-28	72-02	72-04
18	72-23	72-30	74-00h	72-11	72-12	
19	71-25		73-01	71-21	72-25	
20	72-23	72-27	73-03	70-30	70-30	70-31
21	70-16	70-15	71-05	70-00	70-13	70-11
24	69-08	69-00	69-08	68-12	68-12a	
25	67-00	67-04	68-21	67-00	67-29	67-28
26	68-20		69-24	68-10	68-13	
27	67-22	67-26	68-25	67-02	67-10	67-02
28	68-16	68-25	69-16	68-11	69-04	
31	69-04n	69-05	69-16	68-18	69-13	69-12

March 1981

Open		High	Low	Close	
70-12		70-18	69-22	69-29	
69-27		70-15	69-02	70-10	
69-22		70-06	69-22	70-02	
70-09		70-09	68-15	68-26	
67-20		70-14	67-20L	70-10	
70-05		72-02	70-04	72-02	
72-04		73-02	71-24	72-23	
71-15		72-03	70-26	71-00	
70-10		72-07	70-09	72-02	
72-06		72-21	71-18	71-31	
71-20		73-02	70-21	73-02	
73-20	73-28	74-29h	73-10	73-14a	
72-22	72-28	74-03	72-22	73-19	
73-28		73-28	71-25	71-28	
71-15		72-00	71-03	71-12	
70-04	70-00	70-04	69-08	69-08a	
68-00		69-18	68-00	68-27	
69-12	69-15	70-18	69-10	69-10	
68-16		69-17	67-30	67-30	
69-02		70-07	69-00	69-23	
69-25	69-24	70-04	69-04	70-00	

June 1981

Open		High	Low	Close	
70-05		70-21	70-02	70-05	
70-03		70-24	69-10	70-20	
70-04		70-25	70-02	70-23	
70-18		70-18	68-31	69-18	
68-04		71-00	68-04L	70-30	
70-26		72-21	70-26	72-22a	
72-30		73-18	72-16	73-10	
72-05		72-20	71-10	71-18	
70-24		72-22	70-24	72-22	
72-29		73-04	72-08	72-17	
72-02		73-24	71-10	73-20	
74-10		75-11h	74-05	74-07a	
74-01		74-19	73-17	74-05	
74-15		74-15	72-12	72-15	
72-01		72-22	71-27	72-00	
70-23	70-18	70-23	69-28	69-28a	
68-20		70-03	68-20	69-15	
70-00		71-10	69-30	69-30	
69-11		70-05	68-10	68-10	
69-20		70-25	69-20	70-03	
70-05	70-06	70-20	69-25	70-16	

September 1981

Mar	Open		High	Low	Close	
3	70-23		70-23	70-03	70-06	
4	69-30		70-23	69-09	70-23	
5	70-03		70-25	70-03	70-25	
6	70-23		70-23	69-25	69-29	
7	68-18		71-10	68-18L	71-10	
10	71-03		72-31	71-03	73-03a	
11	73-08		73-26	72-28	73-20	
12	72-13		72-31	71-25	71-30	
13	71-21		73-09	71-21	73-05	
14	73-23		73-23	72-16	72-28	
17	72-18		74-05	71-24	74-05	
18	74-15		75-23h	74-15	74-19a	
19	74-16		74-29	74-12	74-20	
20	74-27		74-27	72-26	72-26	
21	72-15		72-31	72-12	72-15	
24	71-03		71-03	70-11	70-11a	
25	69-21		70-16	69-15	69-29	
26	70-17		71-15	70-13	70-13	
27	69-19		70-18	69-10	69-10	
28	70-00		71-06	70-00	70-12	
31	70-12		70-30	70-05	70-28	

December 1981

Open		High	Low	Close	
70-20		70-25	70-02	70-05	
69-30		70-29	69-15	70-29	
70-05		70-30	70-04	70-29	
71-02		71-02	69-21	70-02	
68-22		71-17	68-22L	71-17	
71-13		73-13	71-13	73-13a	
73-13		74-12	73-04	73-30	
72-25		73-06	72-08	72-08	
71-10		73-19	71-10	73-15	
73-17		73-25	72-28	73-06	
73-00		74-15	72-00	74-15	
75-05		76-10h	74-07	74-07a	
74-15		75-12	74-15	75-04	
75-06		75-06	73-05	73-05	
72-26		73-11	72-19	72-28	
71-20		71-20	70-23	70-23a	
70-00		70-28	69-26	70-09	
70-26		71-30	70-25	70-25	
70-08		70-28	69-00	69-00	
70-17		71-17	70-12	70-20	
70-22		71-08	70-17	71-04	

March 1982

Open		High	Low	Close	
70-14		70-21	70-00	70-05	
69-23	69-22	70-25	69-12	70-25	
70-07		71-00	70-07	71-00	
70-30		71-00	70-06	70-06	
69-06		71-27	69-06L	71-25	71-27
71-25		73-20	71-25	73-20	73-20b
73-21		74-07	73-12	74-05	
73-12		73-12	72-13	72-13	
72-04		73-23	72-04	73-23	
73-25		74-00	73-14	73-14	
73-20		74-24	73-05	74-24	
75-17		76-15h	75-00	75-06a	
74-20		75-22	74-20	75-12	
75-14		75-14	73-12	73-12	
73-03		73-20	73-00	73-05	
71-30	71-29	71-30	71-00	71-00a	
70-13		71-03	70-13	70-16	
71-02		72-05	71-01	71-01	
70-15		71-06	69-19	69-19	
70-24		71-24	70-20	70-27	
70-28		71-15	70-25	71-15	

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

	June 1982				September 1982				December 1982			
Mar	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
3	70-14	70-20	70-02	70-05	70-14	70-20	70-02	70-05				
4	70-00	70-27	69-12L	70-27	69-22	70-29	69-12L	70-29				
5	70-07	71-03	70-07	71-03	70-08	71-05	70-08	71-05				
6	71-05	71-05	70-09	70-09	71-04	71-04	70-12	70-12				
7	69-25	72-00	69-25	72-00	69-30	72-03	69-30	72-03				
								73-29n				
10	71-30	73-25	71-30	73-25b								
11	73-21	74-12	73-21	74-10	73-20	74-15	73-20	74-14				
12	73-05	73-06	72-18	72-18	73-20	73-20	72-22	72-22				
13	72-09	73-29	72-09	73-29	72-12	74-01	72-12	74-01				
14	74-03	74-03	73-13	73-21	74-05	74-05	73-16	73-25				
17	73-12	74-28	73-12	74-28	73-16	75-00	73-16	75-00				
18	75-28	76-20h	75-10	75-13a	75-24	76-28h	75-19	75-19a				
19	75-09	75-23	75-07	75-19	75-28	75-28	75-12	75-24				
20	75-20	75-20	73-15	73-15	75-25	75-25	73-18	73-18				
21	73-10	73-27	73-10	73-14	73-08	73-31	73-08	73-16	73-11	74-03h	73-11	74-00
												71-14a
24	71-27	71-27	71-07	71-07a	72-05	72-05	71-11	71-11a				71-00b
25	70-20	71-10	70-20	70-25	71-00	71-14	70-20	70-30				
26	71-23	72-12	71-06	71-06	71-27	72-20	71-10	71-10	71-30	72-23	71-13	71-13
27	70-30	71-10	69-15	69-15	71-02	71-13	69-20	69-20	70-31	71-15	69-25L	69-25
28	71-10	71-15	70-28	71-02	71-15	71-15	70-28	71-05	71-10	71-10	70-28	71-08
31	71-00	71-18	70-27	71-18	71-20	71-22	71-00	71-22	71-03	71-25	71-03	71-25

U.S. Bonds Volume Of Sales

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
3	613	8,458	1,692	1,013	717	521	659	265	512h	434h	17		14,901
4	332	9,544	2,030	1,263	691	368	352	431	267	241	30		15,549
5	305	6,088	1,933	1,102	465	457	578	492	437	339	102		12,298
6	247	8,835	1,844	1,964	731	366	771	363	191	294	73		15,679
7	134	8,423	1,580	945	646	587	410	129	236	104	51		13,245
10	106	7,895	1,257L	722L	599	322	517	223	154	58			11,853
11	273	10,301	1,893	1,229	524	329	338	144	262	26	82		15,401
12	270	9,030	1,670	806	1,003	447	788h	735h	468	351	226h		15,794
13	109	11,006	1,519	843	322	629h	664	590	117	59	7		15,865
14	7	7,506	1,576	775	604	244	245	262	126	41	3		11,389
17	58	13,513	2,811	1,790	633	428	506	363	242	185	34		20,563
18	706h	17,168h	2,882	1,846	833	307	188	83	78	69	11		24,171
19	1L	11,772	1,531	1,040	835	340	167	188	110	25			16,009
20	45	14,753	1,928	938	498	356	304	310	247	51	58		19,488
21		10,631	1,813	1,084	302L	207	154	200	40	10L	28	1L	14,470
24		5,820L	1,696	1,398	476	148L	73L	71L	52	25	11		9,770L
25		12,256	2,100	1,716	657	553	119	168	38	26	12		17,645
26		12,693	2,313	1,620	823	372	211	418	276	89	2L	1	18,818
27		16,006	5,555h	4,232h	963	150	117	123	96	131	69	1	27,443h
28		12,334	5,262	4,070	1,709h	407	297	167	48	36	3	7h	24,340
31		8,650	2,294	1,582	610	514	446	292	26L	124	82	2	14,622
Total	3,206	222,682	47,179	31,978	14,641	8,052	7,904	6,017	4,023	2,718	901	12	349,313

U.S. Bonds Open Contracts

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
3	2,887h	10,660	7,685	7,860	6,941h	6,379h	7,160h	6,600h	4,614h	3,513h	1,430L		65,729h
4	1,824	10,096	7,501	7,884	6,531	6,227	6,965	6,529	4,498	3,337	1,440		62,832
5	1,441	9,560	7,045	7,846	6,066	6,061	6,779	6,485	4,357	3,295	1,526		60,461
6	1,344	9,465L	6,925	7,892	5,888	5,966L	6,279	6,420	4,253	3,208L	1,520		59,160
7	1,277	9,911	6,896	7,856	5,933	6,055	6,303	6,348	4,236	3,253	1,491		59,559
10	891	10,132	6,932	7,862	5,851	6,166	6,377	6,342	4,220	3,258	1,491		59,522
11	680	10,226	7,039	8,021	5,948	6,151	6,380	6,318	4,263	3,283	1,497		59,806
12	759	10,110	6,983	7,992	5,650	6,044	5,986	5,911	4,083	3,302	1,547		58,367
13	452	10,175	7,081	7,912	5,778	6,199	5,671	5,560	4,089	3,283	1,547		57,747
14	339	9,821	6,885L	7,848	5,706	6,244	5,584	5,368	4,073	3,271	1,548		56,687L
17	275	10,689	7,391	8,176	5,572	6,234	5,503	5,331	4,070	3,316	1,552		58,109
18	949	11,305h	7,301	8,464	5,625	6,271	5,445	5,342	4,075	3,287	1,550		59,614
19	902	11,044	7,333	8,693	5,427	6,276	5,408	5,359	4,125	3,285	1,550		59,402
20	140	10,734	7,515	8,735	5,523	6,183	5,402	5,466	3,987	3,296	1,591		58,572
21	140	10,326	7,670	8,883	5,602	6,162	5,375	5,385	3,987	3,284	1,604	1L	58,419
24	128	10,529	8,081	8,906	5,639	6,102	5,376	5,386	3,967	3,263	1,604	1	58,982
25	93L	10,590	8,005	8,975	5,728	6,169	5,331	5,325	3,971	3,280	1,605h	1	59,073
26		10,076	8,204	8,885	5,755	6,133	5,301	5,272	3,977	3,297	1,604	2	58,506
27		11,257	8,800h	9,844h	5,884	6,117	5,247	5,273	3,947	3,293	1,605	3	61,270
28		11,073	8,150	7,708L	5,226	6,031	5,218L	5,175	3,900	3,291	1,605	6	57,383
31		10,843	8,149	7,729	5,140L	6,126	5,251	5,142L	3,898L	3,270	1,567	8h	57,113

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

June 1980

Apr	Open		High	Low	Close	
1	68-07	68-16	68-17	67-14	68-10	68-14
2	68-08	68-20	69-01	67-12L	67-16	67-14
3	67-30	67-26	69-10	67-15	69-07	69-09
4	HOLIDAY					
7	70-00	70-06	71-11	70-00	71-07	71-09
8	70-21	70-17	71-17	70-12	71-05	71-02
9	71-20	71-30	71-30	70-31	71-05	71-02
10	70-20	70-24	72-20	70-20	72-16	72-12
11	74-10	73-25	74-10	73-05	73-27	73-25
14	74-07	73-25	74-07	73-02	73-10	73-08
15	73-10	73-20	74-05	73-06	73-20	73-22
16	73-28	74-00	75-22	73-27	75-22b	
17	77-00	77-08	77-10	76-02	76-24	76-19
18	76-00	76-10	76-28	75-05	76-21	76-25
21	77-00	77-16	77-27h	76-19	76-23	76-19
22	76-15	76-00	77-20	75-23	77-00	77-05
23	76-24	76-27	77-15	75-03	75-30	75-03
24	74-24	75-05	76-04	74-24	75-10	75-14
25	74-00	73-11	75-17	73-11	75-10	75-15
28	75-28	76-00	77-12	75-28	77-12	77-12b
29	77-00	77-02	77-20	76-21	77-06	77-08
30	77-03	77-07	77-24	76-21	77-04	77-02

September 1980

Open		High	Low	Close	
69-04	69-01	69-14	68-10L	69-12	69-14
69-08	69-06	69-30	68-11	68-14	68-11
68-27	68-30	70-06	68-15	70-05	70-06
71-02	71-02	72-06	71-01	72-03	72-02
71-19	71-17	72-14	71-12	72-03	72-01
72-20	72-22	72-28	71-28	72-00	71-31
71-22	71-23	73-19	71-19	73-18	73-14
75-15	75-10	75-15	74-04	74-26	74-25
74-24	74-23	75-02	73-30	74-02	74-00
74-06	74-10	74-29	73-30	74-19	74-20
74-31	74-29	76-20	74-26	76-20b	
78-09	77-10	78-09	76-30	77-17	77-18
77-00	76-30	77-21	76-00	77-17	77-18
78-08	77-23	78-22h	77-15	77-16	77-15
76-27	77-05	78-10	76-13	77-23	77-26
77-10	77-18	78-07	76-15	76-20	76-15
75-31	76-05	76-23	75-23	76-00	75-31
73-31	74-10	76-05	73-31	76-00	76-02
76-16	76-20	78-01	76-16	78-01b	
77-21	77-25	78-12	77-11	77-25	77-27
77-24	77-26	78-10	77-07	77-20	77-22

December 1980

Open		High	Low	Close	
69-23	69-27	70-10	69-05L	70-10	70-08
70-04	70-05	70-28	69-09	69-10	69-12
69-25	69-24	70-30	69-11	70-30	70-26
71-17	71-25	72-31	71-17	72-24	72-25
72-07	72-10	73-07	72-05	72-27	72-30
73-07	73-15	73-21	72-18	72-23	
72-18	72-16	74-10	72-15	74-10	74-09
76-04	75-20	76-04	74-29	75-18	75-19
75-17	75-14	75-27	74-21	74-24	74-22
74-30	75-00	75-23	74-22	75-09	75-10
75-20	75-23	77-12	75-20	77-12b	
78-10	78-20	78-29	77-16	78-07	78-09
77-20	77-21	78-10	76-22	78-07	78-08
78-25	78-15	79-10h	78-00	78-05	78-00
77-18	77-16	78-28	76-30	78-12	78-13
78-02	78-05	78-22	76-24	77-03	76-24
76-25	76-10	77-05	76-04	76-14	76-16
74-22	74-14	76-25	74-14	76-21	
77-10	77-14	78-18	77-08	78-18b	
78-05	78-07	78-24	77-26	78-04	78-02
78-07	78-08	78-23	77-20	78-04	78-01

March 1981

Apr	Open		High	Low	Close	
1	70-19		70-30	69-30	70-30	
2	70-28		71-18	69-28L	69-31	69-28
3	70-08		71-21	70-03	71-19	71-16
4	HOLIDAY					
7	72-12		73-20	72-12	73-11	
8	72-25		73-24	72-24	73-15	
9	73-24		74-04	73-05	73-08	
10	73-00		75-05	73-00	74-28	
11	76-20		76-20	75-16	76-09	
14	76-02	76-04	76-14	75-07	75-07	
15	75-15	75-17	76-07	75-12	75-29	
16	76-10		77-29	76-07	77-29b	
17	78-10	78-14	79-09	78-04	78-27	
18	78-04		78-23	77-06	78-23	
21	79-00		79-20h	78-14	78-14	78-16
22	77-28		79-07	77-05	78-20	
23	78-11		79-02	76-24	77-10	76-24
24	76-17		77-12	76-12	76-23	76-25
25	74-23	75-10	76-30	74-23	76-28	
28	77-20		78-27	77-18	78-27b	
29	78-17		78-31	77-30	78-07	
30	78-11	78-12	78-25	77-22	78-04	

June 1981

Open		High	Low	Close	
71-01		71-14	70-15L	71-14	
71-15		72-00	70-18	70-18	
71-00		72-04	70-23	72-03	
72-26	72-27	74-04	72-26	73-26	
73-13	73-14	74-01	73-06	73-22	
74-05	74-07	74-14	73-15	73-19	
73-05		75-06	73-05	75-06b	
77-00		77-02	75-25	76-20	
76-15	76-12	76-19	75-17	75-17	
75-30		76-16	75-24	76-07	
76-14		78-06	76-13	78-06b	
78-30	78-25	79-14	78-12	78-30	
78-10	78-09	78-26	77-12	78-26	
79-27		79-27h	78-22	78-22	
77-28	77-30	79-02	77-06	78-21	
78-18		78-22	77-08	77-08	
77-00	76-30	77-11	76-16	76-24	
74-22	74-27	76-28	74-22	76-27	
77-25		78-28	77-20	78-28b	
78-14	78-15	78-22	77-25	78-02	
78-07		78-20	77-21	78-00	

September 1981

Open		High	Low	Close	
71-17		71-25	71-00L	71-25	
71-27		72-17	71-00	71-00	
71-08		72-18	71-05	72-18	
73-08		74-16	73-08	74-04	
73-16		74-07	73-15	73-30	
74-13		74-16	73-28	73-28	
73-19		75-20	73-16	75-14	
77-05		77-05	76-01	76-25	
76-15		76-24	75-20	75-20	
75-28	76-00	76-17	75-25	76-11	
76-25		78-10	76-23	78-10b	
79-05		79-14	78-20	79-00	
78-10	78-08	78-28	77-12	78-26	
79-10		79-24h	78-15	78-15	
77-28		79-05	77-07	78-16	
78-27		78-27	77-08	77-08	
76-07		77-10	76-07	76-23	
75-04		76-24	75-00	76-24	
77-25		78-27	77-18	78-27b	
78-08		78-14	77-27	78-01	
78-04		78-07	77-19	77-28	

December 1981

Apr	Open		High	Low	Close	
1	71-22		72-04	71-09L	72-04	
2	72-08		72-28	71-12	71-12	
3	71-26		72-30	71-20	72-30	
4	HOLIDAY					
7	74-02		74-20	74-00	74-10	
8	74-01		74-16	73-23	74-02	
9	74-21		74-21	74-02	74-02	
10	73-27		75-18	73-27	75-18	
11	77-08		77-08	76-01	76-27	
14	76-18		76-26	75-25	75-25	
15	76-03		76-20	75-26	76-14	
16	76-26		78-13	76-26	78-13b	
17	78-25		79-25h	78-18	79-02	
18	78-16		78-27	78-00	78-27	
21	79-16		79-24	78-14	78-14	
22	78-09		79-00	77-04	78-16	
23	78-09		78-18	77-05	77-05	
24	76-22	76-23	77-10	76-12	76-21	
25	75-12		76-22	75-12	76-22	
28	77-15	77-20	78-25	77-12	78-25b	
29	78-02		78-08	77-22	77-26	
30	78-00		78-00	77-14	77-25	

March 1982

Open		High	Low	Close	
71-30		72-12	71-15L	72-12	
72-14		72-29	71-18	71-18	
71-18		73-06	71-18	73-06	
74-28		74-28	74-07	74-14	
73-30		74-16	73-30	74-05	
74-21		74-21	74-05	74-05	
74-09		75-20	74-08	75-20	
76-18		77-03	76-12	76-30	
76-19		76-26	75-28	75-28	
76-05		76-21	75-30	76-14	
76-27		78-14	76-27	78-14b	
78-31		79-06	78-20	79-05	
78-10		78-26	77-25	78-26	
79-06		79-24h	78-14	78-14	
78-05		79-02	77-03	78-14	
78-00		78-10	77-02	77-02	
76-25		77-04	76-12	76-19	
75-16		76-25	75-16	76-25	
78-02		78-23	77-14	78-23b	
78-01		78-03	77-18	77-22	
77-26		77-26	77-12	77-22	

June 1982

Open		High	Low	Close	
72-03		72-18	71-27	72-18	
72-20		73-00	71-22L	71-22	
72-10		73-11	72-10	73-11	
75-02		75-02	74-15	74-17	
73-29		74-16	73-29	74-16	
74-26		74-26	74-06	74-06	
74-09		75-20	74-09	75-20	
76-25		76-30	76-09	76-30	
76-19		76-25	75-28	75-28	
76-14		76-24	76-08	76-15	
76-27		78-14	76-27	78-14b	
78-28		79-10	78-20	79-05	
77-27		78-26	77-27	78-26	
79-21		79-21h	78-13	78-13	
78-05		79-00	77-06	78-15	
78-15		78-15	77-00	77-00	
76-27		77-02	76-09	76-17	
75-13		76-20	75-13	76-20	
77-14		78-21	77-10	78-21	78-21b
77-26		77-28	77-13	77-17	
77-23		77-23	77-08	77-17	

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Apr	September 1982 Open	High	Low	Close	December 1982 Open	High	Low	Close	
1	72-10	72-21	71-30	72-21	72-20	72-23	72-01L	72-23	
2	73-00	73-03	71-24L	71-24				71-28a	
3	72-11	73-15	72-11	73-15	72-13	73-17	72-13	73-17	
4	HOLIDAY								
7	74-12	75-04	74-10	74-20	75-04	75-04	74-15	74-21	
8	74-12	74-16	74-05	74-16				74-16n	
9	74-16	74-20	74-05	74-05	74-30	74-30	74-05	74-05	
10	74-05	75-20	74-05	75-20	74-14	75-20	74-14	75-20	
11	76-19	76-30	76-10	76-30	76-10	76-30	76-10	76-30	
14	76-19	76-25	75-28	75-28	76-10	76-25	75-28	75-28	
15	76-20	76-20	76-08	76-15	76-10	76-15	75-07	76-15	
16	76-27	78-14	76-27	78-14b	78-13	78-13	78-13	78-13b	
17	79-10	79-14	78-20	79-06	79-04	79-10	78-20	79-04	
18	78-10	78-25	78-00	78-25	78-07	78-25	77-24	78-24	
21	79-20	79-20h	78-12	78-12	79-25	79-25h	78-11	78-11	
22	77-23	79-00	77-12	78-14	77-20	79-00	77-15	78-14	
23	77-27	78-07	76-30	76-30	78-09	78-09	76-28	76-28	
24	76-18	77-00	76-12	76-15	76-16	77-00	76-12	76-13	
25	75-11	76-18	75-11	76-18	75-09	76-16	75-09	76-16	
28	77-28	78-19	77-06	78-19b	78-17	78-17	78-17	78-17	78-17b
29	77-16	77-28	77-08	77-13	77-11	77-28	77-02	77-09	
30	77-19	77-19	77-04	77-13	77-15	77-15	76-30	77-09	

U.S. Bonds Volume Of Sales

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
1	10,714	2,887	1,169L	275L	186	258	202	660	259	427h	1L	17,038
2	14,646h	3,407	1,914	546	103L	95	103	223	65	17		21,119
3	12,025	2,784	1,474	343	142	84L	51L	51	5L	22	5	16,986
4	HOLIDAY											
7	8,538	3,588	2,056	726	248	143	174	136	82	60	13	15,764
8	13,958	3,804	2,434	507	268	514h	565	265	88	26		22,429
9	13,683	3,405	2,278	1,060	549	228	436	263	210	114	17	22,243
10	13,742	3,774	1,557	451	584	169	289	171	212	47	5	21,001
11	12,641	4,410	2,434	632	723	442	341	135	40	30	10	21,838
14	10,065	3,052	1,891	593	520	272	300	273	119	173	26	17,284
15	12,065	3,450	1,518	760	365	181	328	316	59	10	7	19,059
16	4,982L	2,083L	1,438	706	521	227	775h	770h	663h	242	9	12,415L
17	11,738	5,192	2,520	882	548	188	232	664	535	36	3	22,538
18	12,361	5,055	2,422	717	328	270	222	145	27	24	16	21,587
21	10,989	3,889	2,344	843	262	246	163	82	87	25	36	18,966
22	14,330	4,897	3,897h	1,824h	863h	247	265	276	253	8	40h	26,900h
23	12,826	5,180	3,011	881	478	221	192	115	40	36	9	22,989
24	10,120	4,044	3,647	1,000	415	159	163	56	34	2L	21	19,661
25	10,745	4,161	2,713	818	433	283	232	78	142	46	21	19,672
28	11,177	5,120	2,649	1,163	485	324	205	162	79	65	11	21,440
29	13,446	5,699h	2,840	857	685	335	377	45L	136	12	16	24,448
30	9,261	3,822	2,183	1,284	589	96	98	189	336	141	31	18,050
Total	244,072	83,703	48,389	16,868	9,295	4,982	5,713	5,075	3,471	1,563	297	423,428

U.S. Bonds Open Contracts

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
1	10,970L	8,058L	7,606L	5,037L	6,078	5,231L	5,216	4,102	3,136L	1,757	9L	57,200L
2	11,642	8,340	7,822	5,258	6,094	5,237	5,221	4,132	3,155	1,744L	9	58,654
3	11,586	8,432	7,838	5,310	6,101	5,276	5,203L	4,110	3,150	1,757	13	58,776
4	HOLIDAY											
7	11,602	8,192	7,870	5,400	6,146	5,270	5,231	4,131	3,160	1,813	19	58,834
8	11,744	8,322	8,199	5,400	6,101	5,396	5,301	4,031L	3,150	1,813	19	59,476
9	11,583	9,074	8,318	5,527	6,053	5,383	5,395	4,068	3,205	1,808	28	60,442
10	13,905	9,892	8,599	5,601	6,140	5,337	5,416	4,070	3,339	1,814	32	64,145
11	14,787h	10,360	8,726	5,647	6,041L	5,404	5,426	4,095	3,358	1,831	42	65,717
14	13,666	10,196	8,731	5,699	6,154	5,429	5,414	4,075	3,315	1,870	53	64,602
15	13,477	10,283	8,826	5,834	6,096	5,463	5,456	4,282	3,359	1,872	58	65,006
16	13,250	10,304	8,916	6,122	6,250	5,357	5,642	4,522	3,586	1,880	63	65,892
17	13,086	10,552	9,385	5,973	6,377	5,369	5,721	4,290	3,781	1,901	62	66,497
18	12,705	10,405	9,397	6,237	6,401	5,398	5,679	4,242	3,754	1,919	74	66,211
21	12,549	10,752	9,708	6,228	6,388	5,504	5,712	4,263	3,786	1,926	101	66,917
22	12,595	10,588	9,419	6,970	6,987	5,451	5,800	4,311	3,883	1,926	121	68,051
23	12,910	10,948h	9,969h	6,975	6,997	5,507	5,841	4,368	3,884	1,906	130	69,435
24	12,198	10,852	9,538	7,032	7,018	5,499	5,799	4,366	3,859	1,908	143h	68,212
25	11,603	10,532	9,533	7,069	7,004	5,553	5,851	4,391	3,956	1,900	134	67,526
28	11,921	10,390	9,491	7,104	7,166	5,699h	5,876h	4,433	3,974	1,906	129	68,089
29	12,478	10,680	9,392	7,196	7,093	5,696	5,774	4,415	3,919	1,902	131	68,676
30	13,043	10,885	9,459	7,344h	7,226h	5,671	5,756	4,545h	4,152h	2,034h	117	70,242h

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

June 1980

May	Open		High	Low	Close	
1	77-17	78-20	79-02	77-17	78-07	78-10
2	78-28	78-20	80-09	78-07	80-05	80-09
5	81-00	81-08	82-06	80-10	80-18	80-22
6	80-28	81-00	82-09	80-15	81-27	81-25
7	83-00	83-07	83-20h	81-10	81-22	81-15
8	81-12	81-18	82-08	80-12	80-19	80-22
9	80-07	80-11	80-29	78-21	80-07	80-10
12	80-29	81-02	81-02	79-09	79-25	79-22
13	79-09	79-00	80-20	78-20	80-13	80-09
14	80-30	81-06	81-16	80-10	80-23	80-26
15	80-12	80-10	81-02	78-24	78-24	78-24a
16	78-30	78-24	79-17	78-02	78-08	78-06
19	77-25	77-23	77-30	77-00L	77-04	77-02
20	77-07	77-10	79-03	77-07	79-03b	
21	79-11	79-15	80-23	79-11	80-03	80-04
22	79-10	79-15	80-20	79-10	79-27	79-30
23	81-16	81-29	81-30	81-04	81-28	81-30
26	HOLIDAY					
27	82-08		82-08	81-08	81-10	81-12
28	81-00	80-30	81-08	80-14	80-20	80-21
29	80-27	80-25	80-28	79-11	79-25	79-23
30	79-29	80-02	80-10	79-06	79-14	79-13

September 1980

May	Open		High	Low	Close	
1	78-05	78-12	79-17	76-04	78-21	78-30
2	79-08	79-05	80-20	78-20	80-18	80-17
5	81-07	81-00	82-17	80-20	80-31	80-30
6	81-12	81-05	82-15	80-28	82-04	82-06
7	83-10	83-19	83-26h	81-17	81-25	81-22
8	81-23	81-15	82-14	80-15	80-26	80-22
9	80-11	80-22	81-01	78-27	80-10	80-13
12	80-31	80-25	80-31	79-14	79-24	79-27
13	79-05	79-00	80-23	78-25	80-12	80-15
14	81-05	80-29	81-17	80-08	80-24	80-26
15	80-13	80-17	81-03	78-25	78-25	78-25a
16	78-26	79-02	79-17	78-05	78-08	78-11
19	77-23	77-20	78-00	77-03L	77-05	77-07
20	77-10	77-13	79-06	77-10	79-06b	
21	79-12	79-20	80-25	79-12	80-06	80-10
22	79-15	79-25	80-20	79-15	79-29	79-31
23	81-20	81-29	81-30	81-03	81-30	81-28
26						
27	82-13	82-10	82-13	81-08	81-10	81-12
28	81-00	80-28	81-09	80-14	80-24	80-20
29	80-29	80-20	80-29	79-12	79-27	79-24
30	79-31	80-02	80-10	79-07	79-12	79-16

December 1980

May	Open		High	Low	Close	
1	78-20	78-18	79-30	78-15	79-07	79-13
2	79-11	79-12	80-28	79-00	80-20	80-18
5	81-18	81-05	82-24	80-27	81-04	81-01
6	81-10	81-00	82-19	81-00	82-10	82-16
7	83-20	83-25	84-02h	81-16	81-16	81-20
8	81-15		82-14	80-16	80-21	80-26
9	80-15	80-25	81-00	78-28	80-10	80-12
12	80-27	80-30	80-30	79-15	79-24	79-25
13	79-04	79-00	80-22	78-25	80-12	80-15
14	80-28	81-00	81-12	80-08	80-25	80-24
15	80-10	80-17	80-31	78-22	78-22	78-22a
16	78-28	79-01	79-16	78-03	78-08	78-09
19	77-20	77-10	78-00	77-03L	77-07	77-05
20	77-11	77-13	79-06	77-11	79-06b	
21	79-22	79-13	80-21	79-13	80-00	80-02
22	79-18	79-21	80-14	79-14	79-25	79-23
23	81-20	81-15	81-23	80-26	81-22	81-21
26						
27	82-05	82-09	82-09	81-03	81-05	81-06
28	80-22	80-27	81-03	80-08	80-16	80-18
29	80-16		80-24	79-11	79-23	79-26
30	79-30	80-01	80-09	79-05	79-08	79-12

March 1981

May	Open		High	Low	Close	
1	78-20	78-22	79-31	78-17	79-16	
2	79-11	79-15	80-27	79-04	80-25	
5	81-07	81-05	82-24	80-28	81-09	81-07
6	81-15	81-12	82-17	81-03	82-10	82-12
7	83-18	83-24	84-00h	81-12	81-15	81-12
8	81-20	81-18	82-12	80-17	80-27	
9	80-29		81-00	78-30	80-12	
12	80-28	80-29	80-29	79-17	79-24	
13	79-02	79-00	80-16	78-24	80-08	80-11
14	80-29	80-30	81-09	80-04	80-22	80-26
15	80-12	80-13	80-25	78-18	78-18	
16	78-29		79-10	78-01	78-08	78-07
19	77-08	77-10	78-00	77-03L	77-04	
20	77-11	77-09	79-04	77-09	79-04b	
21	79-14		80-15	79-13	79-25	79-23
22	79-15	79-16	80-05	79-08	79-17	
23	81-10	81-12	81-17	80-19	81-17	
26	HOLIDAY					
27	82-02	82-00	82-02	80-29	81-00	
28	80-18	80-20	80-27	80-03	80-10	
29	80-10	80-11	80-16	79-05	79-19	79-21
30	79-25		80-04	79-00	79-03	79-04

June 1981

May	Open		High	Low	Close	
1	78-17	78-18	79-23	78-14	78-26	78-25
2	79-14		80-10	79-02	80-10	
5	80-20		82-17	80-20	81-00	
6	81-10		82-13	80-30	82-10	
7	83-15	83-20	84-00h	81-06	81-10	81-06
8	81-18		82-04	80-14	80-22	
9	80-23		80-29	78-31	80-06	
12	80-25		80-25	79-13	79-18	
13	78-30	78-28	80-14	78-20	80-06	
14	80-25		81-03	80-00	80-13	80-16
15	80-10		80-20	78-13	78-13	
16	78-25		79-03	77-28	78-01	
19	77-05		77-29	76-30L	77-01	
20	77-14		79-00	77-13	79-00b	
21	79-22		80-08	79-12	79-20	
22	79-07	79-09	79-28	79-01	79-10	
23	81-08		81-10	80-08	81-07	
26						
27	81-24		81-26	80-23	80-23	
28	80-14	80-13	80-20	79-30	80-04	
29	80-04		80-06	79-00	79-15	
30	79-18		79-31	78-26	78-30	

September 1981

May	Open		High	Low	Close	
1	78-20		79-12	78-08	78-20	
2	79-00		80-00	78-28	80-00	
5	80-16	80-22	82-11	80-16	80-28	
6	80-25		82-05	80-25	82-05	
7	83-18		83-18h	81-12	81-12	
8	81-12		82-00	80-16	80-18	
9	80-19		80-19	79-01	80-03	
12	80-20		80-20	79-08	79-14	
13	78-23	78-27	80-02	78-21	80-02	
14	80-22		80-25	79-31	80-02	
15	79-27		80-10	78-07	78-07	
16	78-27		78-28	77-25	77-30	
19	77-01		77-22	76-23L	76-28	
20	77-04		78-28	77-04	78-25	
21	79-02		79-28	79-02	79-15	
22	79-03		79-18	78-30	79-03	
23	80-27		81-02	80-08	81-00	
26						
27	81-10		81-10	80-17	80-17	80-19
28	80-01		80-09	79-27	79-30	
29	79-28		79-28	78-25	79-12	
30	79-15		79-20	78-23	78-26	

December 1981

May	Open		High	Low	Close	
1	78-25		79-12	78-10	78-20	
2	79-00		80-01	79-00	80-01	
5	80-16		82-00	80-16	80-24	
6	81-00		82-01	80-30	82-01	
7	83-00		83-00h	81-09	81-09	
8	81-08		82-00	80-10	80-14	
9	80-05		80-05	78-27	79-31	
12	80-15		80-15	79-08	79-10	
13	78-23		79-30	78-12	79-30	
14	80-15		80-21	79-27	79-29	
15	79-26		80-05	78-02	78-02	
16	78-17		78-24	77-20	77-26	
19	76-29	76-30	77-18	76-20L	76-25	
20	77-05		78-25	77-01	78-21	
21	78-30		79-26	78-25	79-10	
22	78-28		79-12	78-25	78-30	
23	80-18	80-15	80-28	80-04	80-28	
26	HOLIDAY					
27	81-18	81-15	81-18	80-15	80-15	
28	79-29		80-05	79-19	79-26	
29	79-20		79-23	78-27	79-08	
30	79-12		79-14	78-19	78-19	

March 1982

May	Open		High	Low	Close	
1	78-15		79-15	78-02	78-16	
2	79-03		79-30	78-30	79-30	
5	80-06		81-23	80-06	80-20	
6	80-27		81-30	80-27	81-30	
7	83-16		83-16h	81-00	81-00	
8	81-14		81-23	80-10	80-10	
9	80-05		80-05	78-24	79-27	
12	80-29		80-29	79-02	79-06	
13	78-16	78-20	79-26	78-15	79-26	
14	80-14		80-14	79-23	79-26	
15	79-22		80-01	77-30	77-30	
16	78-09		78-15	77-20	77-22	
19	77-00	76-26	77-14	76-20L	76-22	
20	77-00		78-20	77-00	78-17	
21	78-26		79-15	78-26	79-06	
22	78-25		79-06	78-25	78-25	
23	80-08	80-06	80-23	79-25	80-23	
26						
27	80-30		80-30	80-10	80-11	
28	79-24		80-00	79-20	79-22	
29	79-18		79-19	78-22	79-04	
30	79-10		79-10	78-16	78-16	

June 1982

May	Open		High	Low	Close	
1	78-05		78-20	78-02	78-12	
2	78-23		79-26	78-23	79-26	
5	80-16		81-12	80-10	80-10	
6	80-24		81-28	80-21	81-28	
7	82-15		82-20h	81-00	81-00	
8	81-13		81-13	80-06	80-06	
9	79-27		79-28	79-00	79-23	
12	80-22		80-22	78-30	79-02	
13	78-14		79-22	78-13	79-22	
14	80-11		80-11	79-17	79-22	
15	79-19		79-27	77-26	77-30	
16	78-05		78-11	77-18	77-18	
19	76-28		77-07	76-19L	76-19	
20	76-29		78-13	76-29	78-13	
21	79-00		79-03	78-29	79-03	
22	78-22		79-02	78-21	78-21	
23	80-05		80-19	80-05	80-19	
26						
27	80-19		80-19	80-06	80-08	
28	79-16		79-30	79-15	79-18	
29	79-15		79-15	78-20	79-01	
30	79-06		79-06	78-13	78-13	

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

	September 1982				December 1982			
May	Open	High	Low	Close	Open	High	Low	Close
1	78-01	78-16	77-30	78-08	77-30	78-16	77-26	78-04
2	78-23	79-22	78-23	79-22	78-20	79-18	78-20	79-18
5	80-10	81-19	80-10	80-10	80-10	81-08	80-06	80-06
6	81-02	81-24	81-02	81-24	80-26	81-20	80-26	81-20
7	83-00	83-00h	80-29	80-29	82-12	82-16h	80-26	80-26
8	81-09	81-09	80-03	80-03	81-05	81-05	80-00	80-00
9	79-04	79-20	78-28	79-19	79-22	79-22	79-00	79-15
12	80-02	80-02	78-26	78-30	79-31	79-31	78-22	78-26
13	78-11	79-18	78-09	79-18	78-11	79-14	78-07	79-14
14	80-08	80-08	79-17	79-18	80-05	80-10	79-15	79-15
15	79-16	79-24	77-23	77-24	79-13	79-24	77-20	77-22
16	78-02	78-14	77-15	77-15	77-31	77-31	77-12	77-12
19	76-20	77-04	76-15L	76-15	76-20	77-01	76-10L	76-13
20	76-27	78-16	76-27	78-10	76-25	78-07	76-25	78-07
21	78-29	79-00	78-26	79-00	78-17	78-30	78-17	78-29
22	78-19	79-02	78-18	78-18	78-17	78-30	78-15	78-15
23	80-02	80-16	80-02	80-16	80-00	80-13	79-31	80-13
26	HOLIDAY							
27	80-15	80-20	80-03	80-05	80-10	80-13	80-01	80-02
28	79-10	79-28	79-10	79-15	79-09	79-24	79-09	79-12
29	79-12	79-12	78-17	78-30	79-10	79-10	78-15	78-27
30	79-04	79-04	78-08	78-10	79-02	79-02	78-07	78-07

U.S. Bonds Volume Of Sales

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
1	15,590h	7,880	3,455	1,391	612	547	499	358	274	325	42	30,973h
2	14,204	7,870	4,207	1,459	878	392	406	260	204	90	44	30,014
5	11,622	6,841	4,553	1,144	560	237	572	680	561	307	58	27,135
6	11,481	5,578L	2,905	639	993h	197	315	143	136	6	10	22,403
7	13,655	7,183	3,923	1,536	746	539	604	584	478	219	23	29,490
8	13,740	8,478	4,179	1,149	577	244	249	661	319	160	63	29,819
9	11,936	8,576	4,586	1,450	535	249	235	152	85	67	14	27,885
12	10,922	8,599	2,777	662	870	425	271	210	217	159	88	25,200
13	11,200	7,772	2,911	1,492	771	141	324	145	86	68	24	24,884
14	6,991	8,443	3,067	1,003	552	513	259	91	156	102	88	21,265
15	8,152	9,039	4,700h	1,525	622	360	189	180	51	7	3L	24,828
16	10,461	10,882	3,823	1,207	381	341	352	69	720h	517h	10	28,763
19	6,405	7,764	2,457L	816	462	418	180	442	323	40	3	19,310
20	6,007	9,277	3,025	975	892	1,550h	1,039h	782h	172	25	21	23,765
21	6,089	12,456	3,810	1,388	408	209	192	166	204	157	8	25,087
22	4,643	10,118	2,529	609L	228	102	163	234	334	121	96h	19,177L
23	5,863	10,637	2,678	1,699	499	238	182	101	106	76	41	22,120
26	HOLIDAY											
27	3,115	13,032	3,092	1,917h	358	316	271	79	111	140	60	22,491
28	2,827	13,326	2,635	1,100	324	215	120	28L	36	46	23	20,680
29	3,720	15,458h	3,680	1,567	350	56L	122	33	7L	5L	3	25,001
30	2,110L	13,828	3,142	961	218L	166	75L	96	139	181	80	20,996
Total	180,733	203,037	72,134	25,689	11,786	7,455	6,619	5,494	4,719	2,818	802	521,286

U.S. Bonds Open Contracts

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	Total
1	13,526	10,694L	9,675L	7,567L	7,294	5,867	5,841	4,639L	4,376L	2,308L	152L	71,939L
2	13,521	10,991	9,741	7,801	7,573	5,910	5,683	4,662	4,448	2,404	177	72,911
5	13,680	11,657	10,127	7,934	7,523	5,858L	5,438L	4,891	4,877	2,687	223	74,895
6	13,075	10,987	10,148	7,866	7,360	5,865	5,454	4,922	4,894	2,686	230	73,487
7	13,700	11,534	10,375	8,035	7,410	5,932	5,732	5,176	5,256	2,863	234	76,247
8	14,540h	12,514	10,883	8,163	7,540	5,968	5,697	5,411	5,343	2,961	275	79,295
9	14,455	13,774	10,956	8,425	7,519	5,926	5,765	5,432	5,375	2,979	285	80,891
12	13,480	14,174	11,507	8,399	7,476	5,900	5,800	5,477	5,433	3,025	328	80,999
13	13,656	15,134	11,586	8,629	7,518	5,970	5,870	5,457	5,485	3,087	327	82,719
14	13,080	15,971	11,837	8,622	7,274L	6,100	5,922	5,359	5,490	3,114	343	83,112
15	12,381	16,478	12,151h	8,877	7,379	6,121	5,863	5,315	5,504	3,116	345	83,600
16	10,893	15,875	11,901	8,881	7,411	6,206	6,050	5,294	5,609	3,173	346	81,639
19	10,523	15,970	12,039	8,859	7,424	6,331	6,041	5,444	5,579	3,203	349	81,762
20	9,245	15,877	11,852	8,785	7,663h	6,683	6,287	5,680h	5,497	3,180	369	81,118
21	8,928	16,566	11,723	8,847	7,516	6,665	6,235	5,616	5,583	3,318	374	81,371
22	9,099	16,660	11,543	8,828	7,546	6,670	6,248	5,562	5,525	3,354	406	81,441
23	9,686	17,091	11,635	9,420	7,483	6,730	6,327	5,589	5,600	3,416	446	83,423
26	HOLIDAY											
27	9,579	18,149	11,864	9,901	7,560	6,835	6,293	5,534	5,638	3,439	506	85,298
28	8,983	18,085	11,644	10,123	7,571	6,881	6,328h	5,533	5,668	3,459	516	84,791
29	8,053	18,878	11,909	10,439h	7,620	6,891h	6,321	5,543	5,668	3,462	519	85,303h
30	7,493L	18,950h	11,803	10,370	7,628	6,891	6,327	5,501	5,716h	3,595h	574h	84,848

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jun	June 1980 Open		High	Low	Close		September 1980 Open		High	Low	Close		December 1980 Open		High	Low	Close	
2	79-02		79-02	78-09L	78-15		79-03	78-31	79-03	78-09L	78-15	78-18	79-00	78-28	79-00	78-07L	78-12	78-14
3	78-15	78-16	80-11	78-15	80-08	80-09	78-17	78-20	80-11	78-17	80-07	80-09	78-17	78-16	80-05	78-16	80-03	80-04
4	80-27	80-30	81-06	80-14	80-28		80-22	80-29	81-05	80-08	80-28	80-26	80-29	80-21	80-30	80-02	80-21	80-23
5	81-08		81-21	81-01	81-16		81-10	81-16	81-19	80-30	81-15	81-12	81-02	81-07	81-11	80-22	81-07	81-02
6	82-09		83-14	81-18	83-11		81-26	82-00	83-13	81-14	83-04	83-08	81-20	81-24	83-02	81-03	82-25	82-27
9	83-16		84-22	83-14	83-20	83-19	83-08	83-18	84-21	83-06	83-17	83-10	83-03	83-05	84-10	83-00	83-02	83-04
10	83-10		84-02	82-07	83-02		83-05	83-15	83-30	82-00	82-27	82-29	83-04	83-00	83-20	81-22	82-17	82-19
11	82-25		83-28	82-13	83-23		82-18	82-08	83-25	82-05	83-20	83-17	82-02	81-30	83-14	81-29	83-08	83-09
12	83-30		85-02	83-15	85-02		83-29	83-25	84-30	83-08	84-22	84-27	83-16	83-18	84-18	82-30	84-15	84-13
13	87-07	87-00	87-07h	85-25	86-05		86-15	86-25	86-25h	85-14	85-29	86-00	86-00	86-13	86-13h	85-03	85-19	85-15
16	85-23		86-16	85-18	86-06		85-21	85-15	86-10	85-08	86-02	85-31	85-11	85-06	86-00	84-31	85-21	85-23
17	86-10		86-22	85-15	85-19		85-04	86-06	86-15	85-03	85-12	85-14	85-26	85-25	86-04	84-28	85-00	84-30
18	85-28		86-00	84-27	85-05		85-18	85-10	85-24	84-17	84-31	85-02	85-05	84-30	85-15	84-09	84-23	84-24
19	85-25		86-05	85-23	85-25		85-20	85-26	85-30	85-02	85-06	85-02	85-15	85-10	85-20	84-24	84-26	84-24
20							85-00	84-26	85-24	84-20	85-21	85-24	84-20	84-15	85-15	84-13	85-13	85-15
23							86-05	85-27	86-05	83-28	83-29	84-02	85-24	85-19	85-24	83-17	83-21	83-18
24							83-25	84-01	84-28	83-12	83-28	84-00	83-21	83-24	84-18	83-05	83-19	83-24
25							84-04	84-07	84-07	82-19	83-04	83-07	83-24	83-30	83-30	82-13	82-29	83-00
26							83-02	83-07	83-26	81-27	82-04	82-02	83-00	83-02	83-21	81-24	81-31	81-29
27							82-08	82-02	82-17	80-29	81-01	81-05	81-28	81-30	82-12	80-28	80-29	81-00
30							80-16	80-10	81-14	79-23	81-04	81-07	80-18	80-10	81-10	79-21	81-01	81-02

Jun	March 1981 Open		High	Low	Close		June 1981 Open		High	Low	Close		September 1981 Open		High	Low	Close	
2	78-26	78-24	78-26	78-03L	78-09		78-15		78-16	77-31L	78-02		78-12		78-12	77-26L	77-27	
3	78-11	78-14	79-31	78-11	79-28	79-29	78-06		79-22	78-06	79-22		78-13		79-12	78-13	79-12	
4	80-18	80-15	80-19	79-26	80-11		80-02		80-08	79-19	80-01		79-30		79-30	79-13	79-23	
5	80-29	80-30	81-00	80-16	80-25	80-24	80-18		80-23	80-09	80-19		80-12		80-12	80-00	80-10	
6	81-15	81-17	82-22	80-26	82-18	82-17	81-00		82-12	80-19	82-09		80-24		82-00	80-10	81-30	
9	82-26	82-21	83-31	82-21	82-22	82-23	82-14		83-20	82-10	82-10		82-10		83-09	82-04	82-04	
10	82-23	82-24	83-09	81-16	82-09		82-14		82-28	81-08	81-30		82-03		82-15	81-02	81-14	
11	81-21	81-22	83-02	81-20	82-29		81-15		82-20	81-12	82-18		81-00	81-02	82-10	81-00	82-07	
12	83-06	83-07	84-07	82-18	84-05		82-25		83-25	82-10	83-25		82-12		83-14	82-00	83-14	
13	85-28	85-21	85-28h	84-24	85-07	85-06	85-10	85-08	85-15h	84-17	84-30		84-27	85-03	85-03h	84-07	84-19	
16	85-01	85-00	85-22	84-22	85-13		84-20	84-22	85-10	84-13	85-04		84-13		84-29	84-07	84-25	
17	85-15	85-16	85-25	84-17	84-18	84-21	85-10		85-11	84-08	84-08		84-30		85-00	84-02	84-02	
18	84-20	84-18	85-07	84-01	84-13	84-14	84-05		84-26	83-23	84-07		83-26		84-16	83-14	83-31	
19	85-03		85-11	84-15	84-16		84-21		85-00	84-01	84-04	84-01	84-12		84-23	83-29	83-29	
20	84-09		85-05	84-03	85-05		84-01		84-27	83-28	84-27	84-26	83-20		84-17	83-20	84-17	
23	85-10		85-13	83-11	83-11	83-13	85-00		85-02	83-03	83-04		84-15		84-15	82-28	82-28	
24	83-15	83-16	84-10	83-00	83-13		83-07		84-00	82-26	83-04		82-24		83-25	82-18	82-29	
25	83-19		83-19	82-08	82-23	82-22	83-12	83-11	83-12	82-04	82-15		82-29		82-29	81-31	82-09	
26	82-27	32-29	83-16	81-20	81-23	81-22	82-25		83-10	81-16	81-16		82-21		83-03	81-13	81-13	
27	81-25	81-26	82-07	80-23	80-25	80-24	81-20		82-02	80-16	80-16		81-16		81-30	80-15	80-15	
30	80-05	80-10	81-04	79-18	80-26	80-28	80-00		80-30	79-14	80-22		79-26	79-28	80-22	79-10	80-20	

Jun	December 1981 Open		High	Low	Close		March 1982 Open		High	Low	Close		June 1982 Open		High	Low	Close	
2	78-08		78-08	77-22L	77-22		77-31		78-00	77-16L	77-18		77-28		77-28	77-16L	77-16	
3	77-22		79-06	77-22	79-06		78-10		79-01	78-09	79-01		78-03		78-29	78-03	78-29	
4	79-19		79-24	79-08	79-18	79-17	79-19		79-19	79-01	79-12		79-16		79-16	79-03	79-09	
5	80-00		80-04	79-25	80-04		79-23		80-00	79-19	80-00		79-20		79-28	79-15	79-28	
6	80-15		81-26	80-09	81-24		80-10		81-20	80-03	81-18		80-06		81-13	80-02	81-13	
9	82-00		83-00	81-29	81-29		81-25		82-29	81-23	81-23		81-21		82-22	81-18	81-18	
10	81-29		82-09	80-18	81-07		81-14		81-28	80-24	81-01		81-10		81-22	80-24	80-29	
11	80-29		82-00	80-29	81-30		80-23		81-24	80-23	81-23		80-20		81-20	80-20	81-18	
12	82-08		83-04	81-20	83-04		81-18		82-28	81-12	82-28		81-29		82-22	81-10	82-22	
13	84-26	84-20	84-26h	83-30	84-10		84-16		84-16h	83-23	84-04		84-09		84-09	83-20	83-30	
16	84-02		84-19	83-30	84-15		83-25		84-11	83-25	84-08		83-14		84-05	83-14	84-03	
17	84-24		84-24	83-26	83-26		84-12		84-15	83-19	83-19		84-11		84-11h	83-14	83-14	
18	83-22		84-02	83-08	83-23		83-14		83-27	83-05	83-17		83-08		83-25	83-00	83-12	
19	84-04		84-15	83-21	83-21		83-29		84-06	83-14	83-14		83-23		84-00	83-09	83-09	
20	83-24		84-08	83-20	84-08		83-07		84-00	83-07	84-00		83-01		83-26	83-01	83-26	
23	84-03		84-05	82-21	82-21		84-02		84-02	82-15	82-15		84-00		84-00	82-17	82-18	82-17
24	82-24		83-17	82-10	82-21		82-31		83-11	82-05	82-18		82-09		82-28	82-01	82-10	
25	82-23		82-25	82-01	82-04		82-18		82-18	81-29	82-00		82-08		82-08	81-25	81-28	
26	82-16		82-27	81-10	81-11		82-12		82-23	81-12	81-12		82-02		82-20	81-13	81-13	
27	81-20		81-30	80-13	80-15	80-13	81-25		81-28	80-12	80-12		81-29		81-29	80-13	80-13	
30	79-26	79-28	80-17	79-13	80-15		79-26		80-12	79-12	80-11		79-28		80-10	79-11	80-10	

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Jun	September 1982 Open	High	Low	Close	December 1982 Open	High	Low	Close	March 1983 Open	High	Low	Close
2	77-26	77-27	77-13L	77-13	77-24	77-25	77-10L	77-10				
3	78-11	78-26	78-11	78-26				78-24n				
4	79-10	79-00	79-06		79-10	79-10	78-29	79-03				
5	79-17	79-25	79-12	79-25	79-15	79-22	79-10	79-22				
6	80-18	81-18	80-18	81-09	79-27	81-05	79-27	81-05				
9	81-18	82-18	81-15	81-15	81-15	82-14	81-12	81-12				
10	81-07	81-18	80-20	80-25	81-04	81-15	80-16	80-21				
11	80-16	81-15	80-16	81-14	80-14	81-11	80-14	81-11				
12	81-08	82-18	81-08	82-18	81-00	82-15	81-00	82-15				
13	83-19	83-26	83-19	83-26	83-20	83-22	83-14	83-22				
16	83-10	84-00	83-10	83-30	83-20	83-28	83-04	83-26				
17	84-02	84-06h	83-10	83-10	84-01	84-01h	83-05	83-05				
18	83-03	83-20	82-27	83-07	82-30	83-14	82-23	83-02				
19	83-18	83-26	83-05	83-05	83-13	83-20	83-01	83-01				
20	82-28	83-22	82-28	83-22	82-24	83-18	82-24	83-18	82-20	83-14	82-20	83-14
23	83-27	83-27	82-13	82-13	83-23	83-23	82-09	82-09	83-19	83-19h	82-05	82-05
24	82-04	82-24	82-00	82-06	82-00	82-21	81-24	82-02	81-28	82-16	81-28	81-30
25	82-04	82-04	81-21	81-24	82-00	82-00	81-20	81-20	81-29	81-29	81-16	81-17
26	82-07	82-17	81-12	81-13	82-04	82-12	81-14	81-14	82-00	82-04	81-15	81-15
27	81-22	81-28	80-14	80-14	81-24	81-26	80-15	80-15	81-26	81-27	80-14	80-14
30	79-24	80-08	79-13	80-07	79-25	80-08	79-14	80-07	79-26	80-08	79-15L	80-07

U.S. Bonds Volume Of Sales

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
2	1,693	12,895	2,927	831	392	357	152L	19L	158	278	129		19,831
3	2,036	16,324	5,033	920	295	195L	454	242	388	232			26,119
4	1,122	14,036	4,089	1,716	370	272	233	80	71	27	7L		22,023
5	1,072	11,784L	2,588	1,441	382	197	261	162	63	179	7		18,136L
6	2,387h	20,970	4,940	2,844	397	391	178	86	22L	13	15		32,243
9	1,422	19,930	5,385	1,679	1,242	1,133	627	1,414	1,472	360	86		34,750
10	1,503	21,523h	3,931	1,784	634	1,253	993	256	407	87	84		32,455
11	651	16,750	3,495	1,472	197L	524	458	501	410	105	43		24,606
12	873	17,264	3,588	1,215	408	260	562	390	235	156	41		24,992
13	891	19,310	4,591	2,394	1,223	861	1,053	1,183	725	299	219		32,749
16	394	13,961	3,513	1,071	548	410	541	127	298	222	30		21,115
17	908	18,796	3,684	1,445	724	570	284	230	117	5L	76		26,839
18	386L	18,209	3,834	2,052	322	265	272	185	44	76	14		25,659
19	793	19,152	4,094	692L	900	325	602	369	212	149	46		27,334
20		14,572	2,341L	1,131	507	499	394	379	335	197	223	90	20,668
23		18,635	4,140	2,258	1,153	547	931	919	998	713	184	6L	30,484
24		19,491	5,029	1,834	449	338	323	231	886	862	136	31	29,610
25		20,399	4,791	2,654	765	556	768	427	1,551	1,915	1,129	450	35,405
26		20,709	5,703h	2,933h	939	893	704	1,634	1,119	2,985	1,553	995	40,167
27		20,696	5,234	2,862	1,264h	702	1,200	907	1,833	3,020	3,613h	1,576h	42,907h
30		18,945	5,299	2,133	960	1,295h	1,601h	2,411h	2,096h	3,130h	1,993	688	40,551
Total	16,131	374,351	88,229	37,361	14,071	11,843	12,591	12,152	13,440	15,010	9,628	3,836	608,643

U.S. Bonds Open Contracts

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
2	6,170	18,448	11,685h	10,305	7,582	6,796	6,346	5,486	5,835L	3,697L	651L		83,001
3	6,408	17,718	11,467	10,392	7,592	6,756	6,368	5,368L	5,951	3,882	651		82,553
4	6,421	18,075	11,237	10,294	7,530L	6,729	6,412	5,393	5,952	3,884	658		82,585
5	6,226	17,526	10,900	9,873	7,596	6,721	6,268L	5,421	5,984	3,895	659		81,069L
6	6,569	18,256	10,572	9,544	7,629	6,662L	6,317	5,428	6,006	3,885	658		81,526
9	6,848h	18,232	10,330	9,465	8,114	6,858	6,393	5,877	6,165	4,007	696		82,985
10	6,338	18,153	10,180	9,470	8,045	6,802	6,601	5,893	6,203	4,044	693		82,422
11	6,521	18,075	9,952L	9,505	8,047	6,977	6,689	5,926	6,374	4,037	696		82,799
12	6,630	17,619	10,251	9,348L	7,936	6,955	6,792	6,137	6,346	4,019	694		82,727
13	6,282	18,194	10,458	9,521	7,704	6,938	7,022	6,151	6,480	4,043	763		83,556
16	6,175	18,194	10,334	9,524	7,698	6,895	6,830	6,204	6,550	4,179	768		83,351
17	5,251	17,646	10,192	9,570	7,915	6,955	6,708	6,227	6,443	4,168	764		81,839
18	5,210	17,970	10,082	9,423	7,844	6,948	6,703	6,281	6,456	4,234	769		81,920
19	5,042	17,293	10,512	9,449	7,847	6,991	6,926	6,441	6,492	4,341	787		82,121
20	5,008	16,903L	10,423	9,565	7,891	7,196	7,162	6,470	6,610	4,465	970	80L	82,743
23	5,008	18,074	10,623	9,943	8,372	7,288	7,226	6,951	7,111	4,820	1,123	86	86,625
24	4,651	18,050	10,677	10,274	8,400	7,346	7,333	7,046	7,669	5,100	1,203	109	87,858
25	4,641	19,330	10,420	11,063	8,696	7,450	7,718	7,092	8,137	6,230	1,937	499	93,213
26	4,610	19,687	11,286	11,602	8,911	7,684	7,827	8,061	8,575	8,423	3,464	1,329	101,459
27	3,555L	20,467	10,705	12,211	9,044	7,637	8,291	8,295	9,416	10,278	6,744	2,830	109,473
30		20,700h	10,689	12,305h	9,186h	8,045h	8,528h	8,882h	10,082h	11,417h	7,899h	3,318h	111,051h

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

August 1980

Jul	Open		High	Low	Close
1					
2					
3					
4	HOLIDAY				
7					
8					
9					
10					
11	78-17		78-22	78-10	78-12
14	77-22		78-14	77-17	77-24
15					79-22n
16					80-20n
17	79-28		80-00	[illegible]-22	79-29
18	79-27		80-15h	79-05	79-05
21	79-16		80-05	79-05	80-02
22					79-13n
23	78-28		80-10	78-28	80-02
24	79-24		79-24	78-31	78-31
25	78-30	78-31	79-07	78-12	78-14
28	77-20		77-21	77-20	77-21
29	77-28		78-02	77-20	77-30
30	77-14		77-14	76-19	76-19
31	76-21		76-21	75-10L	75-14

September 1980

Open		High	Low	Close	
81-14	81-07	81-26h	79-28	79-28	79-31
79-12	79-18	80-16	79-09	80-10	80-13
81-14	81-00	81-24	80-07	81-00	80-30
81-07	81-02	81-16	78-31	78-31	78-31a
79-20	79-05	80-26	78-22	80-24	80-25
80-30	80-23	80-30	79-21	79-24	79-26
79-23	79-19	79-30	78-28	79-05	79-10
78-16	78-26	79-02	78-02	78-10	78-12
77-28	77-15	78-16	77-13	77-26	77-22
78-09	78-03	79-24	78-03	79-23	79-21
79-20	79-16	81-03	78-25	80-26	80-16
80-18	80-12	81-12	79-15	80-01	79-27
79-22	79-27	80-20	79-05	79-06	79-05
79-16	79-23	80-09	79-01	80-01	80-03
80-05	80-08	81-00	79-07	79-15	79-11
79-02	78-28	80-10	78-16	79-31	80-03
80-07	79-30	80-07	78-23	79-00	78-29
79-00	78-26	79-13	78-08	78-14	78-12
78-10	78-04	78-10	77-08	77-17	77-20
77-17	77-08	78-05	77-06	77-25	77-29
77-26	77-20	78-09	76-10	76-18	76-14
76-11	76-03	76-24	75-00L	75-13	75-10

November 1980

Open	High	Low	Close
78-18	78-20	78-10	78-10
77-20	78-13	77-17	77-21
78-16	79-21	78-16	79-21
			80-18n
80-16	80-16	79-20	79-27
79-25	80-15	79-03	79-03
79-12	80-04	79-02	80-00
80-15	80-24h	79-09	79-12
78-25	80-07	78-25	80-00
79-21	79-21	78-26	78-28
78-26	79-04	78-08	78-11
78-02	78-04	77-13	77-17
77-14	78-00	77-14	77-28
78-06	78-06	76-16	76-16
76-15	76-15	75-05L	75-11

December 1980

Jul	Open		High	Low	Close	
1	81-06	81-03	81-20h	79-25	79-28	79-25
2	79-10	79-16	80-12	79-08	80-10	80-05
3	81-08	80-27	81-16	80-05	80-28	80-26
4	HOLIDAY					
7	81-00	81-03	81-13	78-27	78-27	78-27a
8	79-20	79-10	80-24	78-18	80-20	80-24
9	80-19	80-15	80-27	79-20	79-20	79-22
10	79-22	79-17	79-28	78-25	79-04	79-07
11	78-27	78-23	79-00	78-02	78-08	78-10
14	77-29	77-18	78-15	77-12	77-25	77-21
15	78-09	78-04	79-22	78-02	79-22	79-20
16	79-21	79-17	80-28	78-24	80-19	80-12
17	80-20	80-19	81-08	79-15	79-28	79-25
18	79-23	79-21	80-16	79-00	79-00	79-02
21	79-03	79-10	80-05	78-30	79-29	80-00
22	79-30	80-03	80-27	79-05	79-10	79-12
23	79-00	78-25	80-06	78-16	80-00	79-28
24	79-30	80-01	80-01	78-20	78-25	78-29
25	78-26	78-22	79-0[illegible]	78-06	78-08	78-10
28	78-10	78-01	78-10	77-09	77-15	77-17
29	77-16	77-12	78-03	77-04	77-24	77-27
30	77-26	77-21	78-07	76-10	76-15	76-12
31	76-05	76-00	76-20	75-00L	75-06	75-10

February 1981

Open		High	Low	Close	
78-18		78-19	78-08	78-08	
77-27		78-09	77-20	77-20	
78-20		79-18	78-20	79-18	
				80-16n	
79-24		79-26	79-20	79-25	
79-22		80-13	79-01	79-01	
79-09		80-00	79-00	79-29	
80-11		80-20h	79-05	79-08	
78-22		80-04	78-22	79-30	
79-18		79-18	78-22	78-25	
78-23		79-02	78-06	78-06	
77-31		78-01	77-11	77-15	
77-12		77-31	77-12	77-24	
78-04		78-04	76-12	76-12	
76-12		76-12	75-02L	75-08	

March 1981

Open		High	Low	Close	
80-30	81-00	81-15h	79-20	79-20	79-22
79-08	79-10	80-06	79-05	79-30	80-02
80-28		81-12	79-30	80-22	
80-29	80-28	81-06	78-22	78-22	78-22a
79-13	79-05	80-17	78-14	80-16	80-15
80-18	80-11	80-22	79-15	79-19	79-17
79-15		79-24	78-24	78-30	79-01
78-19	78-17	78-30	77-31	78-08	78-05
77-30	77-22	78-12	77-10	77-20	77-23
78-02	77-31	79-18	77-31	79-18	79-15
79-19	79-15	80-22	78-21	80-14	80-10
80-17	80-15	81-03	79-10	79-19	79-21
79-19		80-13	78-28	78-30	
79-01	79-02	80-00	78-26	79-26	
79-28	79-30	80-21	79-03	79-07	79-08
78-30	78-25	80-01	78-12	79-28	79-25
79-26		79-27	78-15	78-25	78-24
78-24		79-07	78-04	78-05	
78-04	77-31	78-04	77-05	77-15	
77-11	77-08	78-00	77-03	77-22	77-23
77-20		78-03	76-09	76-09	76-11
76-01	75-28	76-17	74-28L	75-07	

May 1981

Jul	Open		High	Low	Close
1					
2					
3					
4	HOLIDAY				
7					
8					
9					
10					
11	78-13		78-15	78-07	78-07
14	78-00		78-00	77-20	77-22
15	78-17		79-17	78-17	79-17
16					80-10n
17	79-22		79-24	79-14	79-18
18	79-25		80-11	78-29	78-29
21	79-06		79-26	78-26	79-25
22	80-07		80-15h	79-04	79-06
23	78-19		79-30	78-19	79-26
24	79-15		79-15	78-18	78-22
25	78-20		78-31	78-03	78-04
28	77-28		77-28	77-09	77-14
29	77-10		77-29	77-10	77-21
30	78-02		78-02	76-08	76-11
31	76-09		76-09	75-00L	75-05

June 1981

Open		High	Low	Close	
80-22		81-08h	79-20	79-20	
79-03		80-04	79-00	80-00	
80-21	80-23	81-03	79-28	80-15	
80-24		81-00	78-17	78-17a	
79-04		80-14	78-10	80-13	
80-08		80-20	79-10	79-15	
79-20		79-23	78-20	78-26	
78-15		78-20	77-28	78-03	
77-20	77-21	78-08	77-10	77-19	
77-25	77-31	79-13	77-25	79-12	
79-09		80-15	78-18	80-08	
80-00		81-00	79-12	79-15	
79-22	79-23	80-10	78-27	78-27	
79-08		79-28	78-25	79-22	
79-31		80-16	79-01	79-04	
78-27		79-29	78-10	79-24	
79-26		79-26	78-14	78-21	
78-18		79-03	78-00	78-03	
77-30		77-30	77-07	77-11	
77-02		77-28	77-01	77-20	
77-15		77-31	76-06	76-11	76-09
75-31	75-29	76-15	74-26L	75-03	

September 1981

Open		High	Low	Close	
80-28		81-01h	79-24	79-24	
79-01		79-30	78-30	79-29	
80-07		80-27	79-24	80-11	
80-18		80-18	78-12	78-12a	
78-12		80-08	78-09	80-08b	
80-10		80-12	79-06	79-12	
79-14		79-16	78-17	78-22	
78-19		78-19	77-30	78-00	77-30
77-08		78-04	77-06	77-18	
78-08		79-09	78-03	79-09	
79-04		80-07	78-15	80-05	
80-00		80-20	79-05	79-11	
79-19		80-04	78-24	78-24	
79-03		79-26	78-21	79-18	
80-04		80-08	78-26	79-01	
78-22	78-23	79-26	78-11	79-22	
79-10		79-10	78-12	78-18	
78-18		78-30	78-00	78-00	
77-24		77-26	77-04	77-09	
76-29		77-23	76-29	77-18	
77-23		77-28	76-05	76-05	
75-26		76-10	74-29L	75-01	

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices
Open, High, Low and Close
Points and 32nds at Par

Jul	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close	June 1982 Open	High	Low	Close
1	80-20	80-27h	79-18	79-20	80-20	80-20h	79-19	79-19	80-07	80-13h	79-18	79-18
2	78-30	79-20	78-28	79-20	78-30	79-18	78-27	79-16	78-28	79-15	78-28	79-12
3	80-11	80-22	79-21	80-07	80-00	80-17	79-18	80-03	79-29	80-12	79-16	79-30
4	HOLIDAY											
7	80-15	80-15	78-07	78-07a	80-10	80-10	78-02	78-02a	80-06	80-06	77-30	77-30
8	78-21	80-07	78-08	80-07	77-30	80-02	77-30	80-02b	78-13	79-30	78-00	79-30b
9	79-30	80-08	79-03	79-09	79-22	80-04	79-00	79-06	79-26	80-00	78-30	79-03
10	79-08	79-09	78-13	78-19	79-05	79-06	78-09	78-16	78-30	79-00	78-10	78-13
11	78-10	78-16	77-28	77-28	78-10	78-10	77-26	77-26	78-08	78-08	77-24	77-24
14	77-08	78-04	77-08	77-14	77-08	77-29	77-03	77-12	77-04	77-28	77-04	77-10
15	77-25	79-06	77-25	79-06	78-04	79-03	77-30	79-03	78-00	79-01	77-27	79-01
16	79-01	80-04	78-12	80-02	78-30	80-00	78-09	79-30	78-20	79-29	78-07	79-28
17	79-28	80-17	79-00	79-07	79-25	80-12	79-03	79-03	79-20	80-11	79-00	79-00
18	79-15	79-30	78-21	78-21	79-12	79-28	78-18	78-18	79-07	79-24	78-16	78-16
21	79-00	79-20	78-20	79-15	78-29	79-15	78-18	79-13	78-28	79-12	78-15	79-11
22	79-24	80-03	78-28	78-30	79-21	80-00	78-26	78-27	79-20	79-27	78-2[illegible]	78-24
23	78-02	79-09	78-02	79-09	78-10	79-17	78-10	79-16	78-07	79-13	78-0[illegible]	79-13
24	79-09	79-09	78-08	78-15	79-06	79-07	78-06	78-12	79-03	79-03	78-0[illegible]	78-09
25	78-15	78-25	77-30	77-30	78-12	78-22	77-28	77-28	78-05	78-19	77-23	77-26
28	77-14	77-21	77-01	77-06	77-18	77-19	77-01	77-03	77-16	77-16	76-30	77-01
29	76-28	77-19	76-26	77-16	77-09	77-17	77-04	77-13	76-30	77-17	76-30	77-11
30	77-20	77-25	76-02	76-02	77-17	77-22	75-31	75-31	77-11	77-20	75-29	75-29
31	75-24	76-08	74-29L	74-31	75-31	76-03	74-28L	74-29	75-30	76-05	74-27L	74-27

Jul	September 1982 Open		High	Low	Close	December 1982 Open	High	Low	Close	March 1983 Open	High	Low	Close
1	80-08	80-07	80-18h	79-17	79-17	80-09	80-18h	79-16	79-17	80-10	80-19h	79-17	79-17
2	78-17		79-11	78-17	79-11	78-18	79-11	78-18	79-11	79-03	79-10	79-03	79-10
3	79-29		80-13	79-16	79-25	79-26	80-10	79-15	79-25	79-26	80-10	79-15	79-24
4	HOLIDAY												
7	80-09		80-13	77-28	77-28	80-01	80-01	77-28	77-28	79-31	80-00	77-28	77-28
8	78-22		79-27	78-22	79-27b	78-22	79-25	78-22	79-25b	79-08	79-24	79-08	79-24b
9	79-25		80-02	78-30	79-01	79-20	80-01	78-30	79-00	79-21	80-01	78-30	79-00
10	78-27		78-30	78-10	78-10	78-26	78-28	78-08	78-08	78-28	79-00	78-07	78-07
11	77-31		77-31	77-22	77-22	77-30	77-30	77-21	77-21	78-03	78-03	77-20	77-20
14	76-26		77-20	76-26	77-08	76-25	77-19	76-25	77-06	77-05	77-18	77-02	77-05
15	77-30		78-31	77-30	78-31	77-29	78-30	77-28	78-30	77-28	78-29	77-27	78-29
16	78-10		79-26	78-05	79-26	78-29	79-25	78-04	79-25	79-27	79-27	79-24	79-24
17	79-19		80-00	78-29	78-29	79-18	80-00	78-27	78-27	79-17	80-00	78-26	78-26
18	79-05		79-20	78-14	78-14	79-04	79-19	78-13	78-13	79-03	79-18	78-12	78-12
21	78-20		79-10	78-13	79-09	78-19	79-09	78-12	79-08	78-19	79-08	78-11	79-07
22	79-10		79-24	78-22	78-22	79-10	79-22	78-21	78-21	79-19	79-21	78-20	78-20
23	78-00		79-11	78-00	79-11					78-01	79-08	78-01	79-08
24	79-01		79-01	78-02	78-07	78-31	78-31	78-01	78-05	78-30	78-30	78-00	78-04
25	78-07		78-16	77-24	77-24	78-05	78-14	77-18	77-22	78-00	78-00	77-16	77-21
28	77-14		77-14	76-29	76-31	77-13	77-13	76-26	76-30	77-12	77-12	76-27	76-29
29	76-30		77-13	76-30	77-09	76-27	77-12	76-27	77-08	76-26	77-11	76-26	77-07
30	77-09		77-17	75-27	75-27	77-08	77-16	75-26	75-26	77-07	77-15	75-25	75-25
31	75-28		75-30	74-26L	74-26	75-27	75-31	74-25L	74-25	75-26	75-28	74-24L	74-24

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Volume Of Sales

Reported in Contracts

Jul	1980 Aug	1980 Sep	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1		20,623		4,162		2,390		541	596	246	360	307	403	30	7	29,665
2		17,777		4,501		2,327		633	622	224	216	158	63	51	35	26,607
3		17,151		4,635		1,426		574	398	140	115	88	101	86	37	24,751
4	HOLIDAY															
7		15,996		3,978		2,183		389	1,076h	165	434	119	255	157	1L	24,753
8		23,379h		6,054		1,446		371	489	327	611	732h	488h	259	232	34,388h
9		13,094		2,561L		701		193	244	29L	103	450	289	103	250h	18,017
10		12,635		2,792		810		447	397	199	68	225	437	271h	60	18,341
11	85h	16,529	59	4,364	21	1,175	3	537	240	437	133	239	51	245	12	24,120
14	15	15,665	5	3,607	10	1,096	53h	533	184	138	108	255	240	20	15	21,944
15		15,155	7	3,388	5	1,284	1L	383	275	300	275	5L	36	125	111	21,350
16		21,580		5,525		1,256		491	281	307	131	43	27L	166	167	29,974
17	1L	19,064	22	5,245	8	1,396	8	784h	549	438	334	252	272	227	97	28,697
18	9	12,574	73h	3,511	47h	715	22	497	133	85	32L	40	46	7L	2	17,793
21	6	12,463	6	2,938	2L	913	1	204	196	167	56	21	58	93	45	17,169
22		15,799	6	4,296	12	1,096	7	243	234	113	178	37	220	62	112	22,415
23	7	14,724	3	3,975	2	969	1	537	622		138	29	118	19	1	21,145
24	1	9,880L	11	2,718	22	800	11	157L	102L	42	55	26	38	37	25	13,925L
25	6	10,461	1L	2,844	4	526L	1	245	152	156	51	49	55	29		14,580
28	7	11,839	1	3,186	3	804	1	227	260	446h	96	99	131	52	7	17,159
29	4	13,644	3	3,143	3	661	1	381	316	416	267	415	237	183	223	19,897
30	25	16,221	26	4,635	2	1,442	1	411	252	105	180	198	192	34	1	23,725
31	10	19,969	1	6,297h	2	2,484h	1	739	565	199	637h	395	272	29	104	31,704
Total	176	346,222	224	88,355	143	27,900	112	9,517	8,183	4,679	4,578	4,182	4,029	2,285	1,544	502,129

U.S. Bonds Open Contracts

Reported in Contracts

Jul	1980 Aug	1980 Sep	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1		20,857		10,874		12,512		9,249	8,053L	8,251L	8,902L	10,272	11,640	7,897	3,325	111,832
2		20,138		10,973		12,580		9,256	8,317	8,312	8,943	10,292	11,603	7,927	3,371	111,712
3		19,504		10,497		12,782		9,250	8,313	8,319	8,935	10,351	11,586	7,871L	3,347	110,755
4	HOLIDAY															
7		19,939		10,055L		12,958		9,258	9,037	8,325	8,993	10,253	11,685	8,003	3,347	111,853
8		20,688		10,876		13,030		9,342h	9,255	8,433	9,071	10,376h	11,441	8,025	3,245L	113,782
9		20,284		10,754		12,877		9,323	9,291	8,421	9,076	9,971	11,586	8,047	3,353	112,983
10		20,392		10,917		12,839		9,241	9,289	8,372	9,066	9,957L	11,810h	8,064	3,355	113,302
11	50	20,313	44	10,829	20	12,821	3L	9,185	9,258	8,535	8,990	10,074	11,779	8,178	3,356	113,437
14	50	21,203	42	10,929	20	12,933	43	9,169	9,306	8,549	9,014	10,191	11,739	8,179h	3,361	114,728
15	50	20,535	35L	10,849	15L	13,037h	42	9,103	9,365	8,747	9,121	10,188	11,737	8,130	3,430	114,384
16	50	20,701	35	11,048	15	12,968	42	9,142	9,299	8,753	9,054	10,149	11,732	8,130	3,530	114,648
17	50	21,211h	55	11,301	21	12,846	46	9,139	9,695h	9,012	9,128	10,039	11,626	7,949	3,467	115,585h
18	55h	20,398	113	11,304h	59	12,710	62	9,070	9,569	9,011	9,105	10,029	11,605	7,950	3,468	114,508
21	52	20,342	109	11,120	57	12,665	62	9,039	9,576	9,123	9,077	10,028	11,575	7,964	3,486	114,275
22	52	17,085L	109	10,670	67	10,567	62	8,958	9,225	9,172	9,136h	10,062	11,632	8,007	3,533	108,337
23	54	17,670	106	10,858	69	10,532L	61	8,982	8,957		9,070	10,063	11,545	8,004	3,532	99,503L
24	53	17,688	115h	10,785	91h	10,563	69h	8,945	8,907	9,424	9,087	10,047	11,547	7,999	3,514	108,834
25	49	17,986	114	10,851	89	10,754	68	8,910L	8,851	9,499	9,109	10,069	11,593	7,990	3,514	109,446
28	42	18,330	113	11,215	87	10,789	67	8,953	8,738	9,637	9,060	10,079	11,526	7,990	3,517	110,143
29	40	18,074	111	10,987	84	10,653	66	9,070	8,728	9,772h	8,970	10,014	11,498	7,913	3,647	109,627
30	15	18,470	86	11,298	82	10,772	66	9,069	8,722	9,698	8,995	10,009	11,456	7,916	3,646	110,300
31	10L	18,652	85	10,861	80	10,633	65	9,031	8,806	9,671	9,007	10,187	11,312L	7,920	3,649h	109,969

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

August 1980

Aug	Open	High	Low	Close
1	75-15	75-30	75-09L	75-25
4				76-22n
5	76-27	77-06h	76-04	76-04
6				76-16n
7	76-10	77-02	76-10	77-02
8				75-18n
11				74-18n
12				75-11n
13				75-16n
14				75-19n
15				76-17n
18				74-23n
19				74-01n
20				73-16b
21				
22				
25				
26				
27				
28				
29				

September 1980

Aug	Open		High	Low	Close	
1	75-25	75-15	75-30	74-30	75-22	75-17
4	76-00	75-25	76-18	75-08	76-15	76-18
5	76-27	76-20	77-06h	75-27	75-31	75-27
6	76-00	76-05	76-16	75-17	76-10	76-12
7	75-31	75-25	77-00	75-25	76-30	76-27
8	75-29	76-07	76-13	75-06	75-10	75-13
11	75-18	75-15	75-18	74-09	74-16	74-12
12	74-10	74-16	75-08	74-10	75-04	75-07
13	75-15	75-27	75-27	74-29	75-10	75-13
14	75-18	75-11	75-29	75-05	75-10	75-13
15	75-14	75-03	76-13	74-25	76-10	76-13
18	75-08	75-13	75-13	74-11	74-17	74-15
19	74-25	74-18	74-31	73-21	73-29	73-25
20	73-06	73-10	74-03	73-06	73-31	74-01
21	74-12	74-16	74-23	73-00	73-31	73-28
22	73-29	74-10	74-24	73-20	74-20	74-18
25	74-00	73-20	74-00	73-10	73-10	73-13
26	73-18	73-20	73-28	73-08	73-08	73-10
27	73-05	73-00	73-09	72-13	72-17	72-14
28	72-24	72-28	72-28	71-18	71-21	71-23
29	71-15	71-17	73-10	70-29L	73-04	73-07

November 1980

Aug	Open	High	Low	Close
1	75-15	75-28	75-04	75-20
4	76-16	76-17	75-10	76-16
5	76-20	77-02h	75-29	75-29
6	75-31	76-13	75-23	76-08
7	76-04	76-29	75-29	76-29
8	76-02	76-04	75-07	75-10
11	75-02	75-02	74-09	74-11
12	74-12	75-06	74-12	75-05
13				75-09n
14				75-12n
15	75-02	76-10	75-02	76-10
18	74-28	74-29	74-15	74-16
19	74-22	74-22	73-26	73-26
20	73-21	74-02	73-13	74-01
21	73-19	73-27	73-05	73-27
22	74-02	74-16	73-25	74-16
25	73-16	73-26	73-10	73-10
26	73-15	73-25	73-10	73-10
27	73-06	73-06	72-16	72-16
28	72-16	72-16	71-26	71-26
29	71-19	73-08	71-19L	73-08

December 1980

Aug	Open		High	Low	Close	
1	75-20	75-16	75-28	74-29	75-18	75-19
4	75-25	75-22	76-18	75-07	76-14	76-18
5	76-26	76-20	77-04h	75-26	75-27	75-30
6	75-29	76-02	76-14	75-16	76-07	76-09
7	76-00	75-26	76-29	75-24	76-24	76-28
8	76-00	76-07	76-10	75-05	75-08	75-11
11	75-15	75-12	75-15	74-07	74-12	74-08
12	74-11	74-08	75-05	74-08	75-04	75-02
13	75-20	75-15	75-22	74-28	75-07	75-10
14	75-15	75-11	75-26	75-03	75-10	75-12
15	75-03	74-31	76-10	74-24	76-08	76-10
18	75-10	75-02	75-10	74-11	74-17	74-15
19	74-19	74-17	74-31	73-20	73-23	73-28
20	73-05	73-09	74-02	73-05	74-02	73-31
21	74-08	74-12	74-22	73-00	73-29	73-27
22	73-25	74-10	74-21	73-21	74-19	74-16
25	73-22	73-25	73-28	73-10	73-12	73-10
26	73-21	73-19	73-28	73-08	73-08	73-12
27	73-02	72-30	73-09	72-14	72-15	72-18
28	72-24	72-27	72-27	71-24	71-29	71-27
29	71-18	71-23	73-15	71-04L	73-11	73-07

February 1981

Aug	Open		High	Low	Close	
1	75-13		75-29	75-03	75-18	
4	75-14		76-16	75-09	76-15	
5	76-17		77-01h	75-28	75-28	
6	75-29		76-12	75-20	76-06	
7	76-02		76-27	75-27	76-26	
8	76-00		76-01	75-05	75-09	
11	75-01		75-01	74-07	74-09	
12	74-10		75-06	74-10	75-03	
13					75-07n	
14					75-09n	
15	75-00		76-07	75-00	76-07	
18	74-27		74-27	74-14	74-15	
19	74-22		74-22	73-26	73-26	
20	73-21		74-02	73-13	74-01	
21					73-30n	
22	74-02		74-19	73-28	74-19	
25	73-19		73-28	73-15	73-15	
26	73-18		73-26	73-12	73-12	
27	73-09		73-09	72-22	72-22	
28	72-19		72-19	71-28L	72-03	
29					73-15n	

March 1981

Aug	Open		High	Low	Close	
1	75-19	75-20	75-28	74-27	75-18	75-15
4	75-22	75-23	76-15	75-07	76-15	
5	76-20	76-23	77-03h	75-24	75-26	75-27
6	75-31		76-11	75-15	76-05	76-07
7	75-25		76-28	75-24	76-22	76-28
8	75-22	75-25	76-09	75-04	75-09	75-07
11	75-10	75-09	75-10	74-06	74-12	74-08
12	74-09	74-07	75-05	74-07	75-02	75-03
13	75-16	75-20	75-21	74-28	75-09a	
14	75-17	75-15	75-23	75-01	75-08	
15	74-28		76-05	74-22	76-04	76-05
18	75-05	74-29	75-05	74-09	74-15	
19	74-19	74-15	74-31	73-20	73-22	73-28
20	73-02	73-09	74-05	73-02	74-03	74-02
21	74-08	74-10	74-22	73-07	73-28	73-31
22	73-30	74-13	74-24	73-27	74-20	74-22
25	73-25	73-20	73-31	73-16	73-17	73-16
26	73-18	73-26	74-00	73-11	73-11	73-13
27	73-10	73-05	73-14	72-18	72-20	72-23
28	72-27	72-30	73-00	72-02	72-06	72-09
29	72-02	72-06	73-22	71-20L	73-21	73-18

May 1981

Aug	Open	High	Low	Close
1	75-11	75-24	75-02	75-14
4	75-12	76-15	75-08	76-14
5	76-16	77-00h	75-27	75-27
6	75-27	76-09	75-19	76-04
7	76-00	76-25	75-27	76-22
8	75-30	75-31	75-04	75-08
11	75-00	75-00	74-05	74-09
12	74-08	75-04	74-08	75-01
13				75-05n
14				75-07n
15	74-30	76-04	74-30	76-04
18	74-26	74-26	74-13	74-14
19	74-25	74-25	73-25	73-26
20	73-21	74-02	73-13	74-02
21				74-01n
22	74-02	74-22	74-02	74-22
25	73-23	74-00	73-20	73-20
26	73-21	73-31	73-15	73-15
27	73-12	73-12	72-27	72-28
28	72-22	72-24	72-10L	72-10
29	73-05	73-23	73-05	73-23

June 1981

Aug	Open		High	Low	Close	
1	75-14	75-16	75-23	74-29	75-13	
4	75-22	75-23	76-14	75-07	76-12	
5	76-21		77-00h	75-24	75-24	
6	75-30		76-07	75-14	76-04	
7	75-25		76-24	75-23	76-22	
8	75-21	75-22	76-05	75-02	75-07	
11	75-13	75-14	75-14	74-03	74-09	74-07
12	74-08		75-03	74-08	75-02	
13	75-16	75-20	75-20	74-28	75-09	75-07
14	75-07		75-21	75-01	75-07	
15	75-00	74-28	76-02	74-21	76-02	
18	75-00		75-03	74-08	74-14	
19	74-14		74-29	73-17	73-26	
20	73-06	73-03	74-04	73-03	74-02	74-00
21	74-11		74-22	73-07	74-01	74-03
22	74-20		74-28	73-30	74-23	
25	74-01		74-02	73-21	73-21	
26	73-30		74-03	73-15	73-15	
27	73-13		73-17	72-23	72-24	72-27
28	73-06		73-06	72-14	72-17	72-19
29	72-12		73-28	71-27L	73-24	

September 1981

Aug	Open		High	Low	Close
1	75-09		75-20	74-26	75-11
4	75-19	75-22	76-13	75-04	76-13
5	76-20		77-00h	75-25	75-26
6	75-30		76-08	75-13	76-02
7	75-21		76-20	75-21	76-20
8	75-27		76-01	75-02	75-06
11	75-09		75-09	74-04	74-07
12	74-02		75-00	74-02	74-31
13	75-13		75-16	74-25	75-03
14	75-06		75-18	74-31	75-05
15	74-24		76-01	74-20	76-01
18	74-24		74-27	74-09	74-14
19	74-13		74-28	73-22	73-26
20	73-04		74-03	73-04	74-03
21	74-19		74-21	73-12	74-05
22	74-05		74-30	74-05	74-30
25	73-31		74-05	73-26	73-26
26	74-02		74-06	73-22	73-22
27	73-17		73-21	72-27	73-03
28	73-04		73-08	72-25	72-29
29	72-23		74-05	72-20L	74-05

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices
Open, High, Low and Close
Points and 32nds at Par

December 1981

Aug	Open		High	Low	Close
1	75-10		75-18	74-27	75-10
4	75-14		76-12	75-03	76-12
5	76-17		77-00h	75-24	75-25
6	75-20		76-03	75-10	76-00
7	75-25		76-18	75-25	76-18
8	75-28		75-31	75-01	75-04
11	74-20		74-26	74-02	74-06
12	74-04	74-08	75-00	74-04	74-29
13	75-10		75-13	74-24	75-01
14	75-03		75-16	74-29	75-03
15	75-00		75-30	74-18	75-30
18	75-00		75-00	74-10	74-12
19	74-10		74-28	73-25	73-26
20	73-04		74-04	73-04	74-04
21	74-18		74-18	73-14	74-08
22	74-24		74-29	74-10	74-29
25	74-07		74-10	73-31	73-31
26	74-07		74-10	73-24	73-26
27	73-08		73-25	73-08	73-09
28	73-08		73-12	72-31	73-06
29	73-00		74-05	72-25L	74-05

March 1982

Open		High	Low	Close	
75-04		75-19	74-28	75-10	
75-17		76-11	75-01	76-11	
76-15		76-27h	75-22	75-24	
75-30		76-04	75-10	75-30	
75-27		76-16	75-26	76-16	
75-25		75-29	75-01	75-02	
74-24		74-24	74-05	74-05	
74-07		74-29	74-07	74-27	
75-10		75-11	74-22	74-31	
75-01		75-14	74-28	75-01	
74-20		75-24	74-20	75-24	75-23
74-21		74-26	74-09	74-11	
74-11		74-30	73-26	73-26	
73-13		74-05	73-13	74-05	
74-16		74-16	73-18	74-11	
74-25		75-00	74-15	75-00	
74-10		74-10	74-03	74-03	
74-03		74-14	73-29	73-29	
73-18		73-29	73-10	73-14	
73-15		73-24	73-07	73-14	
73-12		74-09	73-00L	74-09	

June 1982

Open	High	Low	Close
75-00	75-16	74-29	75-10
75-09	76-11	75-01	76-11
76-18	76-27h	75-22	75-24
75-28	76-04	75-14	75-29
75-26	76-15	75-25	76-15
75-24	75-28	75-00	75-01
74-30	74-30	74-03	74-03
74-06	74-26	74-05	74-26
75-09	75-10	74-24	74-30
75-04	75-12	74-27	74-31
74-19	75-26	74-19	75-26
74-20	74-25	74-09	74-11
74-22	74-30	73-26	73-26
73-17	74-06	73-17	74-06
74-12	74-16	73-21	74-13
74-15	75-03	74-15	75-03
74-13	74-16	74-07	74-07
74-02	74-17	74-00	74-00
73-20	74-00	73-14	73-19
73-20	73-22	73-17	73-22
73-18	74-13	73-12L	74-12

September 1982

Aug	Open		High	Low	Close
1	75-02		75-14	75-00	75-10
4	75-09		76-11	75-01	76-11
5	76-15		76-27h	75-21	75-24
6	75-30		75-30	75-13	75-28
7	75-16		76-14	75-16	76-14
8	75-26		75-26	75-00	75-00
11	74-21		74-22	74-03	74-03
12	74-06		74-26	74-05	74-26
13	75-08		75-08	74-23	74-30
14	75-07		75-10	74-28	74-30
15	74-18		75-25	74-18	75-25
18	74-26		74-26	74-09	74-11
19	74-10		74-26	73-26	73-26
20	73-10		74-07	73-09L	74-07
21	74-12		74-17	73-22	74-15
22	74-18		75-06	74-18	75-05
25	74-16		74-18	74-10	74-10
26	74-17		74-18	74-03	74-03
27	73-23		74-04	73-20	73-23
28	73-24		73-30	73-21	73-30
29	73-22		74-20	73-10	74-15

December 1982

Open		High	Low	Close
75-01		75-13	74-30	75-10
76-15		76-27h	75-21	75-24
75-24		76-04	75-13	75-27
75-16		76-13	75-16	76-13
75-26		75-26	75-00	75-00
74-23		74-23	74-03	74-03
74-06		74-26	74-05	74-26
75-08		75-08	74-23	74-30
75-03		75-10	74-28	74-30
74-22		75-24	74-22	75-24
74-19		74-24	74-05	74-11
74-13		74-29	73-26	73-26
73-04		74-08	73-04L	74-08
74-18	74-19	74-19	73-24	74-17
75-02		75-07	74-19	75-07
74-18		74-21	74-13	74-13
74-20		74-20	74-05	74-05
73-26		74-12	73-25	73-27
74-03		74-06	73-28	74-06
74-04		74-20	73-25	74-18

March 1983

Open	High	Low	Close
75-01	75-12	75-01	75-10
75-09	76-11	75-01	76-11
76-14	76-27h	75-21	75-24
75-26	76-04	75-13	75-27
75-24	76-13	75-24	76-13
75-26	75-26	75-00	75-00
74-23	74-23	74-03	74-03
74-06	74-26	74-05	74-26
75-08	75-08	74-23	74-30
75-03	75-10	74-28	74-30
74-22	75-24	74-17	75-24
74-19	74-19	74-05	74-11
74-22	74-22	73-26	73-26
73-10	74-09	73-10L	74-09
74-12	74-19	73-25	74-19
75-17	75-17	74-30	75-09
74-22	74-22	74-16	74-16
74-15	74-19	74-07	74-07
73-29	74-08	73-27	73-31
74-01	74-14	74-00	74-14
74-08	74-22	73-24	74-21

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Volume Of Sales

Reported in Contracts

Aug	1980 Aug	1980 Sep	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	5h	12,886	4	3,760	30h	1,128	2	540	407	1,030	1,508h	1,364	773	351	40	23,828
4		12,517	1L	3,413L	2	845	1L	427	467	222	451	129	350	169	153	19,147L
5	1L	12,759	1	4,127	1L	880	2	349	100	316	339	9L	311	75	14	19,284
6		14,981	1	4,303	2	693L	1	166L	110	93L	17L	40	15L	5L	46	20,473
7	3	14,784	15	5,596	2	1,026	2	499	80	110	126	128	145	15	11	22,542
8		12,638	7	5,689	8	1,376	1	658	68L	126	202	256	160	21	9L	21,219
11		13,091	26	4,110	27	1,250	1	393	182	163	29	467	369	278	303	20,689
12		15,183h	28h	6,504	27	2,586	1	798	664	472	687	1,935h	695	1,245h	311	31,136
13		13,064		4,899		1,853		881	322	586	220	590	268	474	48	23,205
14		11,985		3,912		1,449		508	1,949	1,214	256	82	58	1,058	1,018h	23,489
15		12,353	1	6,808	2	2,029	1	821	248	152	211	132	127	192	88	23,165
18		12,205		7,594		2,133	1	1,074	1,028	382	745	50	47	178	121	25,558
19		13,401	2	9,359	8	2,819	7h	868	865	362	370	202	257	275	27	28,822
20		12,416	1	8,284	2	2,219	1	1,072	765	467	350	154	366	21	77	26,195
21		13,749	2	10,793		1,930		559	733	631	1,039	424	787	204	65	30,916
22		9,080	3	8,066	2	1,386	1	512	427	483	742	728	1,105h	594	219	23,348
25		5,271	1	12,217	2	1,703	1	346	1,223	1,212	623	468	124	162	105	23,458
26		4,854	1	12,182	2	2,055	1	750	502	448	325	332	303	271	62	22,088
27		3,442L	11	13,408	2	2,736	1	573	381	443	198	262	193	124	26	21,800
28		5,127	7	16,381	7	3,894	5	1,431h	1,274	767	307	537	473	280	77	30,567
29		3,467	6	17,649h		5,165h	3	1,202	2,796h	1,946h	993	845	730	489	106	35,397h
Total	9	229,253	118	169,054	126	41,155	33	14,427	14,591	11,625	9,738	9,134	7,656	6,481	2,926	516,326

U.S. Bonds Open Contracts

Reported in Contracts

Aug	1980 Aug	1980 Sep	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	5h	19,741	81	11,080	50	10,707	63h	8,771L	8,598L	9,738	9,158	10,252	11,022	7,801L	3,561	110,628
4	5	19,326	80	10,585L	48	10,553	62	8,840	8,639	9,753	8,987	10,241	10,966	7,872	3,526	109,483L
5	4L	19,651	79	10,836	47L	10,533	61	8,810	8,644	9,794	9,167	10,245	10,993	7,884	3,525	110,273
6	4	19,934	79	11,195	49	10,656	60	8,791	8,692	9,706L	9,182	10,226	10,988	7,889	3,514L	110,965
7	4	19,706	60	11,552	49	10,471L	60	8,827	8,702	9,712	9,188	10,141	10,958	7,904	3,570	110,904
8	4	19,962h	58L	11,876	48	10,828	61	8,916	8,740	9,805	8,880L	10,022	10,846	7,925	3,578	111,549
11	4	19,556	83h	12,050	72	10,851	61	8,966	8,680	9,853	8,940	10,383h	10,930	8,179	3,676	112,284
12	4	19,248	82	12,268	73h	10,522	60	8,974	8,818	9,897	8,891	9,631	11,157h	8,810	3,671	112,106
13	4	18,973	82	12,656	73	11,251	60	9,411	8,909	10,209	8,984	9,588	11,077	8,833	3,628	113,738
14	4	18,759	82	12,758	73	11,064	60	9,485	9,397	10,713	9,070	9,601	11,020	9,484	4,197	115,747
15	4	18,968	81	13,687	71	11,938	59	9,860	9,385	10,692	9,091	9,596	11,016	9,633	4,274	118,355
18	4	18,198	81	14,164	71	11,861	60	9,920	9,330	10,906	9,231	9,594	11,012	9,742	4,294	118,468
19		17,652	80	14,095	64	11,997	58	9,770	9,554	10,928	9,217	9,682	10,968	9,811h	4,312	118,188
20		16,978	79	14,194	62	11,624	57	9,823	9,628	10,832	9,224	9,773	10,766	9,805	4,327h	117,172
21		16,915	80	15,184	62	11,931	57	9,699	11,755h	10,938	9,197	9,841	10,731	9,805	4,309	120,504h
22		14,279	78	15,633	60	11,888	56	9,895	9,784	11,131	9,287	9,587L	10,295	9,626	4,211	115,810
25		14,020	77	16,357	58	11,871	55	9,623	9,911	11,226	9,195	9,606	10,260	9,561	4,130	115,950
26		12,769	76	16,816	56	11,667	54	9,680	10,165	11,377	9,192	9,830	10,325	9,643	4,130	115,780
27		11,899	75	17,972	54	11,556	53	9,582	10,223	11,505	9,167	9,809	10,156L	9,705	4,141	115,897
28		9,572	73	18,904	52	11,795	52L	9,977h	10,895	11,657	9,290	9,848	10,474	9,757	4,171	116,517
29		8,963L	67	19,469h	52	12,117h	55	9,676	11,041	12,494h	9,644h	9,904	10,569	9,667	4,159	117,877

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

September 1980

Sep	Open		High	Low	Close	
1	HOLIDAY					
2	72-27		75-00	72-27	74-08	74-12
3	74-16	74-20	75-12h	74-16	74-26	74-31
4	74-28	74-30	75-06	74-12	74-19	74-22
5	74-18		75-02	73-27	74-10	74-11
8	74-04		74-04	73-16	73-22	73-23
9	73-31		74-28	73-15	74-18	74-20
10	74-07	74-09	74-31	74-07	74-14	74-16
11	74-02		74-02	73-18	73-20a	
12	73-17		73-20	72-30	73-10	
15	72-16		72-19	72-01	72-06	
16	72-01		72-23	71-31	72-20	
17	73-01		73-04	71-20L	72-02	
18	71-30		72-19	71-30	72-14	
19	72-20		73-13	72-20	73-12	
22						
23						
24						
25						
26						
29						
30						

November 1980

Open		High	Low	Close	
				74-11n	
75-02		75-08h	74-21	74-29	
				74-20n	
74-17		74-28	74-03	74-09	
				73-21n	
				74-15n	
74-24		74-30	74-14	74-14	
73-28		73-28	73-18	73-19	
				73-10n	
				72-00n	
72-15		72-17	72-15	72-17	
				71-27n	
				72-14n	
73-04		73-04	73-04	73-04	
				71-04n	
71-05		71-05	70-26L	70-26	
				71-08n	
				70-10n	
				69-20n	
				68-27n	
				70-21n	

December 1980

Open		High	Low	Close	
73-00	72-28	75-00	72-28	74-13	74-10
74-18	74-22	75-15h	74-18	74-28	75-00
74-29	75-00	75-07	74-11	74-21	74-19
74-18	74-15	75-02	73-24	74-06	74-09
74-00	74-03	74-03	73-13	73-19	73-21
73-24	73-27	74-28	73-11	74-16	74-12
74-02	74-10	74-31	74-02	74-12	74-16
73-30	74-03	74-03	73-16	73-16	73-19
73-13	73-00	73-17	72-24	73-09	73-11
72-00	72-07	72-16	71-28	72-00	72-03
72-04	72-06	72-23	71-27	72-17	72-20
72-26	72-28	73-06	71-23	71-31	71-28
72-02	71-31	72-21	71-28	72-17	72-14
72-23	72-25	73-18	72-22	73-04	73-07
72-08	72-00	72-08	71-06	71-08	71-07
71-00	71-02	71-13	70-24	71-00	70-27
71-19	71-13	71-24	71-05	71-09	71-11
71-06	71-03	71-13	70-06	70-10	70-13
69-12	69-04	69-27	69-04	69-18	69-24
68-31	69-03	69-08	68-19L	68-29	69-00
69-04	69-09	70-23	69-04	70-20	70-15

February 1981

Sep	Open		High	Low	Close	
1	HOLIDAY					
2					74-14n	
3	75-08		75-14h	74-25	75-01	
4					74-24n	
5	74-22		75-00	74-08	74-13	
8					73-26n	
9					74-19n	
10	74-22		75-00	74-19	74-19	
11	74-02		74-02	73-20	73-21	
12					73-14n	
15	72-12		72-17	72-04	72-09	
16	72-23		72-25	72-23	72-25	
17	71-25		72-03	71-25	72-03	
18					72-21n	
19	73-07		73-10	73-07	73-10	
22					71-11n	
23	71-12		71-12	71-01L	71-01	
24					71-14n	
25					70-18n	
26					69-29n	
29					69-06n	
30					70-30n	

March 1981

Open		High	Low	Close	
73-08	73-10	75-07	73-08	74-19	74-15
74-27	74-28	75-18h	74-27	75-03	75-10
75-07	75-03	75-14	74-18	74-27	74-28
74-24		75-09	74-00	74-12	74-16
74-13	74-10	74-13	73-21	73-26	73-29
74-05	74-04	75-04	73-20	74-26	74-21
74-08	74-16	75-06	74-08	74-20	74-23
74-02	74-05	74-11	73-23	73-25	73-23
73-14	73-08	73-24	73-01	73-15	73-18
72-10	72-15	72-24	72-04	72-09	72-11
72-05	72-12	72-31	72-05	72-26	72-28
72-27	73-02	73-14	71-31	72-02	72-05
72-07	72-11	72-28	72-05	72-23	72-25
72-24	72-25	73-22	72-24	73-14	73-11
72-12	72-08	72-13	71-12	71-12	71-14
71-08	71-10	71-19	71-00	71-04	71-02
71-22	71-26	71-30	71-12	71-15	71-16
71-18	71-06	71-19	70-13	70-18	70-21
69-18	69-21	70-04	69-17	69-27	70-02
69-13	69-14	69-17	68-30l	69-09	69-07
69-11	69-15	71-03	69-11	71-03	70-27

May 1981

Open		High	Low	Close	
				74-22n	
75-14		75-15h	75-03	75-07	
				74-30n	
74-27		75-04	74-15	74-19	
				74-01n	
74-23		75-06	74-21	74-25	
74-22		75-05	74-22	74-25	
74-08		74-08	73-28	73-28	
				73-20n	
				72-18n	
72-30		73-02	72-22	73-02	
73-04		73-04	72-05	72-12	
				72-29n	
73-16		73-22	73-12	73-17	
71-17		71-20	71-17	71-20	
				71-10n	
				71-21n	
				70-27n	
				70-08n	
69-16		69-17	69-16L	69-17	
				71-09n	

June 1981

Sep	Open		High	Low	Close	
1	HOLIDAY					
2	73-21		75-07	73-21	74-24	74-25
3	75-06		75-23h	75-03	75-07	75-10
4	75-09	75-10	75-18	74-24	75-00	
5	74-27		75-14	74-07	74-19	74-18
8	74-17		74-17	73-28	74-02	
9	74-10		75-10	73-27	75-01	
10	74-18	74-20	75-13	74-18	74-27	
11	74-07	74-13	74-15	73-30	73-30	
12	73-20	73-16	73-30	73-07	73-22	
15	72-13	72-17	73-01	72-13	72-19	
16	72-22		73-09	72-15	73-02	73-04
17	73-12		73-21	72-08	72-12	
18	72-20		73-03	72-14	73-00	
19	73-09		73-29	73-07	73-21	
22	72-17	72-15	72-21	71-21	71-22	71-24
23	71-12	71-19	71-29	71-10	71-12	
24	71-27	71-29	72-07	71-18	71-23	
25	71-23		71-26	70-24	70-24	70-26
26	69-18	69-29	70-15	69-18	70-05	70-07
29	69-14	69-18	69-29	69-11L	69-19	
30	69-23	69-27	71-13	69-23	71-11	71-13

September 1981

Open		High	Low	Close	
73-27		75-17	73-26	74-30	
75-17		75-26h	75-08	75-11	75-14
75-13		75-20	74-30	75-05	
75-02		75-15	74-20	74-26	
74-13		74-16	74-02	74-09	
74-12		75-13	74-01	75-00	
74-29		75-17	74-29	75-00	
74-18		74-20	74-03	74-03	
73-26		74-01	73-15	73-27	
72-20		73-05	72-20	72-27	
72-26		73-13	72-25	73-12	
73-24		73-26	72-17	72-20	
72-24		73-08	72-24	73-06	
73-18		74-00	73-15	73-25	
72-28		72-28	71-29	71-30	
71-17		72-02	71-17	71-21	
72-08		72-11	71-27	71-30	
71-30		72-01	71-00	71-05	
69-20	69-25	70-22	69-20L	70-19	
70-01		70-05	69-23	69-29	
70-05		71-18	70-05	71-18	

December 1981

Open		High	Low	Close	
74-04		75-14	74-04	74-31	
75-08		75-29h	75-07	75-16	
75-20		75-24	75-02	75-10	
75-05		75-17	74-20	74-27	
74-17		74-22	74-08	74-13	
74-19		75-15	74-04	75-04	
74-24		75-18	74-24	75-03	
74-20		74-23	74-06	74-06	
74-02		74-04	73-22	73-31	
72-27		73-09	72-27	73-03	
73-03		73-22	73-02	73-19	
73-30		74-00	72-27	72-29	
73-02		73-15	72-29	73-12	
73-21		74-05	73-21	73-31	
72-28	72-27	73-04	72-06	72-06	
72-02		72-12	71-29	71-29	
72-13		72-16	72-03	72-04	
72-02		72-05	71-07	71-10	
70-11		71-00	70-11	70-23	
70-00	70-08	70-14	69-30L	70-06	
70-20		71-27	70-20	71-27	

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices
Open, High, Low and Close
Points and 32nds at Par

Sep	March 1982 Open		High	Low	Close	June 1982 Open		High	Low	Close	September 1982 Open		High	Low	Close
1	HOLIDAY														
2	74-09		75-08	74-09	75-04	74-12		75-20	74-12	75-07	74-20		75-10	74-20	75-10
3	75-20		76-02h	75-15	75-19	75-13		76-03h	75-13	75-22	75-25		76-04h	75-22	75-25
4	75-23		75-27	75-07	75-13	75-27		75-30	75-13	75-16	75-31	76-00	76-00	75-13	75-19
5	75-05	75-10	75-20	74-25	75-00	75-10		75-17	75-00	75-03	75-13		75-19	75-06	75-06
8	74-20		74-22	74-11	74-17	74-23		74-25	74-15	74-20	74-28		74-28	74-18	74-23
9	74-23		75-17	74-09	75-08	74-26		75-20	74-13	75-11	74-29		75-23	74-17	75-14
10	75-04		75-21	75-04	75-06	75-08		75-23	75-08	75-09	75-11		75-25	75-11	75-12
11	74-25		74-26	74-09	74-09	74-25		74-28	74-12	74-12	74-27		74-30	74-15	74-15
12	74-02		74-07	73-25	74-02	74-06		74-10	73-28	74-05	74-08		74-12	73-31	74-08
15	73-11		73-14	73-00	73-09	73-13	73-15	73-18	73-06	73-14	73-19		73-21	73-10	73-18
16	73-14		73-25	73-09	73-25	73-19		73-30	73-15	73-30	73-14		74-03	73-14	74-03
17	74-04		74-04	73-03	73-03	74-04		74-10	73-06	73-08	74-08		74-12	73-13	73-13
18	73-10		73-20	73-10	73-17	73-11		73-22	73-09	73-21	73-16		73-27	73-16	73-25
19	73-24		74-09	73-24	74-04	73-30		74-10	73-30	74-08	74-02		74-15	74-02	74-12
22	73-06		73-08	72-13	72-13	73-13		73-13	72-17	72-19	73-18		73-19	72-20	72-24
23	72-08		72-16	72-02	72-05	72-15		72-21	72-08	72-12	72-12		72-25	72-12	72-19
24	72-21		72-26	72-10	72-10	72-28		73-00	72-16	72-16	73-03		73-05	72-22	72-22
25	72-09		72-11	71-12	71-20	72-16		72-17	71-27	71-27	72-20		72-23	72-00	72-01
26	70-22		71-06	70-22	71-00	70-28		71-14	70-28	71-14	71-03		71-22	71-03	71-12
29	70-20		70-21	70-10L	70-15	70-29		70-29	70-22L	70-24	71-06		71-06	70-31L	71-01
30	70-28		72-10	70-28	72-10	71-05		72-09	71-05	72-09	71-14		72-16	71-14	72-16

Sep	December 1982 Open		High	Low	Close	March 1983 Open		High	Low	Close
1	HOLIDAY									
2	74-16		75-21	74-16	75-15	74-25		75-23	74-25	75-16
3	75-27		76-10h	75-25	75-28	76-05		76-11h	75-27	75-30
4	75-29		76-02	75-15	75-21	76-04		76-04	75-16	75-23
5	75-18		75-21	75-00	75-09	75-17		75-23	75-05	75-12
8	74-29		74-29	74-21	74-26	75-00		75-00	74-25	74-29
9	75-00		75-26	74-21	75-17	75-03		75-29	74-22	75-20
10	75-14		75-27	75-14	75-15	75-17		75-29	75-17	75-17
11	74-30		74-30	74-18	74-18	75-01		75-01	74-21	74-21
12	74-10		74-15	74-00	74-11	74-10	74-09	74-22	74-02	74-14
15	73-15		73-25	73-14	73-22	73-18		73-27	73-16	73-26
16	73-18		74-07	73-18	74-07	73-22		74-11	73-22	74-11
17	74-12		74-14	73-10	73-12	74-16		74-17	73-21	73-21
18	73-20		73-28	73-20	73-28	73-24		73-31	73-24	73-31
19	74-05		74-17	74-05	74-15	74-09		74-20	74-09	74-18
22	73-22		73-22	72-28	72-28	73-26		73-26	73-00	73-00
23	72-22		72-29	72-16	72-25	72-24		73-02	72-24	72-31
24	73-09		73-13	72-28	72-28	73-11		73-11	73-02	73-02
25	72-26		72-28	72-07	72-07	72-29		73-01	72-13	72-13
26	71-10		71-30	71-10L	71-30	71-16		72-06	71-16	72-06
29	71-15		71-16	71-10	71-10	71-24		71-24	71-15L	71-19
30	71-23		72-23	71-23	72-23	72-00		72-30	72-00	72-30

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Volume Of Sales

Reported in Contracts

Sep	1980 Sep	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	HOLIDAY														
2	2,434h		20,649		2,621		1,049	830	905	183	91	369	475	188	29,794
3	2,046	10	19,985	4	2,124	4	615	198	369	181	239	399	323	175	26,672
4	1,770		13,008		1,863		617	196	290	260	222	442	125	39	18,832
5	1,396	2	19,328	4	3,012	2	975	221	422	162	99	143	165	114	26,045
8	2,105		14,257		1,541		477	233	281L	55L	100	87	129	67	19,332
9	480		16,575		2,883	6	995	261	357	264	135	232	93	33	22,314
10	1,049	5	17,221	10	2,532	5	897	337	981	433	203	149	76	5	23,903
11	454	1L	12,520L	2	1,228L	1L	470L	121L	298	55	36L	21L	17L	4L	15,228L
12	888		15,597		2,181		473	756	806	233	256	82	27	16	21,315
15	767		14,056	3	2,473		768	597	531	569	1,445h	1,512h	362	138	23,221
16	669	10	16,768	10	2,570	1	957	360	296	409	362	115	42	88	22,657
17	558		17,800	1L	3,066	3	730	549	372	259	132	171	60	108	23,809
18	373L		14,212		2,097		1,099	441	573	325	272	181	143	40	19,666
19	845	4	15,117	13	2,018	14h	977	722	798	824	400	437	95	102	22,366
22			18,966		4,173h	1	1,240	682	716	401	286	1,068	964h	83	28,580
23		15h	17,894	15h	3,940		1,433h	603	1,106	644	332	473	264	14	26,733
24			14,439		1,964		918	878	536	755	360	639	260	5	20,754
25			16,990		4,003		1,140	581	739	677	316	475	89	82	25,092
26			15,019		3,276		1,328	1,092	761	1,274	1,181	827		270h	25,645
29			17,149		3,994	3	1,283	790	1,000	860	869	438		63	26,860
30			21,174h		3,483		1,265	1,339h	1,253h	1,307h	1,188	722	429	232	32,392h
Total	15,834	47	348,724	62	57,042	40	19,616	11,787	13,390	10,130	8,524	8,982	5,166	1,866	501,210

U.S. Bonds Open Contracts

Reported in Contracts

Sep	1980 Sep	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	HOLIDAY														
2	8,273h	67h	19,690	52h	12,180	55h	9,734	10,947	12,579	9,654	9,877	10,681L	9,821L	4,218L	117,828
3	7,828	67	19,591L	48	14,702h	52	9,641	11,161h	12,578	9,670	9,701L	10,877	9,897	4,253	120,066
4	6,927	67	20,774	48	12,111	52	9,634L	10,939	12,658	9,651	9,784	10,963	9,923	4,243	117,774
5	6,373	66	20,691	46	12,245	51	9,812	10,902	12,637	9,631L	9,791	10,998	9,949	4,348	117,540
8	5,812	66	21,246	46	12,037L	51	9,776	10,922	12,539L	9,631	9,785	10,977	9,956	4,328	117,172L
9	5,660	66	21,145	46	12,992	55	10,148	10,939	12,607	9,777	9,801	11,000	9,948	4,319	118,503
10	5,136	61	22,631	36	13,161	50	10,281	11,018	13,046	9,806	9,905	11,045	9,967	4,322	120,465
11	4,664	60	22,205	34	13,127	49L	10,371	10,932	13,031	9,825	9,914	11,058	9,964	4,321	119,555
12	4,638	60	21,984	34	12,980	49	10,281	10,883	13,012	9,809	9,865	11,069	9,975	4,335	118,974
15	4,362	60	22,045	34	13,490	49	10,480	10,918	13,007	10,109	10,971	10,772	10,170	4,404	120,871
16	3,824	50	22,051	24	13,496	50	10,548	10,836	13,009	10,180	11,057	10,814	10,206	4,457	120,602
17	3,574	50	22,518	24	13,605	50	10,460	10,759	12,897	10,194	11,083	10,845	10,232	4,403	120,694
18	3,465	50	22,684	24	13,502	50	10,557	10,880	12,908	10,289	11,196	10,858	10,327	4,418	121,208
19	3,252	49	23,238h	24	13,494	55	10,936	10,844	13,178	10,338	11,367	11,076	10,336	4,439	122,626
22	3,243	49	23,062	24	13,814	54	10,418	10,934	13,201	10,412	11,380	12,008	11,214	4,468	124,281
23	3,239	34L	22,818	10L	13,784	54	10,570	11,046	13,387	10,475	11,539	12,163	11,195	4,467	124,781
24	3,236	34	22,233	10	13,355	54	10,572	10,476L	13,222	10,218	11,595	12,268	11,262h	4,468	123,003
25	3,235	34	22,457	10	13,091	54	10,659	11,031	13,275	10,497	11,722	12,402h	11,250	4,470	124,187
26	3,234	34	21,809	10	13,323	54	10,889	11,020	13,413	10,823	11,857	12,041	11,130	4,586h	124,223
29	3,233L	34	22,663	10	13,984	51	11,271h	10,757	13,504h	10,841	12,029	11,914	11,083	4,561	125,935h
30		34	21,113	10	13,911	51	11,102	11,100	13,489	11,735h	12,987h	11,972	11,186	4,524	123,214

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

November 1980

Oct	Open	High	Low	Close
1				70-14n
2				70-17n
3				72-10n
6				73-06n
7				72-21n
8	72-03	72-13h	72-03	72-13
9				74-07n
10				73-19n
13				73-14n
14				74-00n
15				74-07n
16				73-03n
17				72-04n
20				72-03n
21	72-06	72-06	71-09	71-09
22				70-21n
23				70-18n
24	70-21	71-03	70-21L	71-03
27				69-03a
28				68-03n
29				67-15n
30				67-09n
31				67-21n

December 1980

Open		High	Low	Close	
70-18	70-24	71-10	70-09	70-18	70-14
70-13	70-16	70-28	69-30	70-18	70-21
71-00	72-10	72-19	71-00	72-19	72-19b
73-05	72-30	73-22	72-17	73-10	73-06
73-10	73-15	73-18	72-19	72-23	72-25
72-01	72-07	72-16	71-23	72-16	72-10
73-00	73-04	74-08	72-23	74-08	74-04
74-00	73-26	74-00	73-12	73-22	73-18
73-04	73-03	73-20	73-02	73-16	73-13
73-14	73-18	74-20	73-14	74-02	73-31
74-11	74-07	74-17	73-25	74-10	74-08
74-20	74-24	74-24h	73-03	73-06	73-03
73-00	72-25	73-00	71-24	72-05	72-08
71-30	71-26	72-13	71-26	72-07	72-05
72-10	72-13	72-23	71-13	71-17	71-13
71-04	71-12	71-21	70-24	70-26	70-24
70-26	71-14	71-14	70-13	70-25	70-22
70-24	70-29	71-10	70-20	71-08	71-05
69-30	70-08	70-08	69-08	69-08a	
68-20	68-25	68-29	67-19	68-06	68-09
67-30	67-24	68-17	67-21	67-23	67-21
67-12	67-17	67-26	66-31L	67-14	67-17
67-22	67-29	68-14	67-19	67-26	67-23

February 1981

Open	High	Low	Close	
				70-24n
			70-27n	
			72-28n	
			73-15n	
			72-28n	
			72-21n	
			74-13n	
			73-27n	
			73-22n	
			74-07n	
			74-14n	
			73-11n	
			72-13n	
			72-11n	
			71-20n	
			71-06n	
			70-28n	
			71-14n	
			69-14a	
			68-16n	
			67-27n	
			67-22n	
			68-03n	

March 1981

Oct	Open		High	Low	Close	
1	71-04	71-02	71-19	70-19	70-27	70-26
2	70-27		71-06	70-11	70-29	70-30
3	71-15	71-30	72-30	71-15	72-30b	
6	73-26	73-22	73-31	72-28	73-19	73-15
7	73-21	73-24	73-26	72-26	73-00	72-30
8	72-10	72-13	72-25	72-01	72-20	72-25
9	73-07	73-11	74-15	72-30	74-13	74-15
10	74-05	74-10	74-10	73-20	73-27	73-30
13	73-12	73-15	73-29	73-11	73-25	73-23
14	73-24	73-25	74-28	73-24	74-07	74-10
15	74-15	74-18	74-25	74-00	74-15	74-16
16	74-30	74-26	74-30h	73-10	73-12	73-14
17	73-04	73-08	73-08	72-01	72-13	72-16
20	72-06	72-10	72-21	72-03	72-12	72-14
21	72-14	72-19	72-30	71-21	71-24	71-21
22	71-15	71-17	71-30	71-02	71-02	71-03
23	70-27	71-10	71-21	70-21	70-31	71-00
24	71-12	70-31	71-19	70-28	71-19	71-16
27	70-10	70-06	70-14	69-17	69-17a	
28	68-30	69-03	69-07	68-00	68-17	68-20
29	68-08	68-06	68-28	67-29	68-00	67-29
30	67-15	67-21	68-06	67-10L	67-27	67-25
31	68-02	68-08	68-25	67-30	68-07	68-05

May 1981

Open		High	Low	Close	
					71-03n
				71-07n	
				73-06n	
				73-23n	
				73-03n	
				72-28n	
				74-18n	
				74-02n	
				73-29n	
				74-13n	
				74-20n	
				73-18n	
				72-22n	
				72-20n	
72-28		73-00h	71-30	71-30	
71-29		72-05	71-10	71-10	
71-10		71-10	70-30	71-08	
				71-25n	
				69-24a	
68-15		68-28	68-15L	68-28	
				68-07n	
				68-03n	
				68-15n	

June 1981

Open		High	Low	Close	
71-14	71-12	71-29	70-29	71-05	
71-08		71-18	70-23	71-10	71-09
71-20		73-10	71-20	73-10b	
73-29		74-05	73-06	73-25	73-26
73-28		74-00	73-02	73-07	73-08
73-23	72-20	72-31	72-10	72-28	72-31
73-17		74-22	73-07	74-19	74-22
74-14		74-14	73-26	74-02	74-04
73-21		74-03	73-20	73-30	73-29
73-31		75-00	73-31	74-16	
74-18		74-28	74-08	74-22	74-20
75-01	75-04	75-04h	73-16	73-22	
73-09		73-11	72-10	72-22	
72-16	72-13	72-29	72-13	72-21	
72-27	72-26	73-05	71-28	71-31	71-28
71-23	71-25	72-07	71-12	71-12	71-14
71-19	71-09	71-28	70-31	71-11	71-10
71-16	71-11	71-30	71-07	71-30	71-27
70-27	70-30	70-30	69-26	69-26a	
69-10	69-15	69-16	68-12	68-29	68-30
68-17	68-20	69-08	68-08	68-10	68-08
67-22		68-16	67-22L	68-05	68-08
68-15	68-16	69-03	68-09	68-16	68-19

September 1981

Oct	Open		High	Low	Close	
1	71-20		72-05	71-12	71-14	
2	71-09		71-24	71-01	71-19	
3	72-02		73-19	72-02	73-19b	
6	73-22		74-10	73-13	73-29	
7	74-04		74-04	73-05	73-09	
8	72-27		73-03	72-17	73-03	
9	73-20		74-23	73-12	74-23	
10	74-16		74-16	74-00	74-05	
13	73-25		74-05	73-25	74-01	
14	74-13		75-03h	74-12	74-17	
15	74-22		74-31	74-11	74-23	
16	74-27		74-29	73-24	73-25	73-24
17	73-16		73-16	72-19	72-29	
20	72-21		73-02	72-19	72-26	
21	73-03		73-08	72-06	72-06	
22	71-30		72-11	71-17	71-18	
23	71-30		72-03	71-08	71-16	
24	71-24		72-03	71-14	72-02	
27	71-00	70-30	71-00	70-01	70-01a	
28	69-17	69-18	69-22	68-23	69-07	
29	69-01		69-14	68-16	68-16	
30	68-02		68-24	68-00L	68-12	
31	68-21		69-08	68-20	68-26	

December 1981

Open		High	Low	Close	
71-31		72-15	71-20	71-22	
71-13		71-29	71-11	71-28	
72-25		73-27	72-25	73-27	
74-00		74-12	73-21	74-03	
74-07		74-08	73-13	73-14	
72-25		73-06	72-18	73-04	
73-30		74-24	73-14	74-24	
74-12		74-15	74-05	74-10	
73-28		74-08	73-28	74-03	
74-15		75-04h	74-13	74-13	
74-25		75-00	74-10	74-24	
75-02		75-02	73-26	73-26	
73-16	73-12	73-16	72-24	73-01	
72-26		73-05	72-24	72-30	
73-00		73-11	72-07	72-07	72-10
72-02		72-15	71-23	71-23	
72-00		72-05	71-13	71-21	
71-24		72-04	71-18	72-04	
71-07		71-07	70-06	70-06	70-06a
70-00		70-00	68-24	69-14	
69-10		69-20	68-24	68-24	
68-16		68-30	68-07L	68-21	
68-28		69-16	68-23	69-01	

March 1982

Open	High	Low	Close
72-05	72-18	71-26	71-29
71-25	72-05	71-19	72-04
73-00	74-02	73-00	74-01
73-28	74-20	73-28	74-07
74-08	74-08	73-17	73-18
72-28	73-10	72-27	73-05
73-26	74-25	73-20	74-25
74-14	74-17	74-08	74-12
74-00	74-10	74-00	74-05
74-17	75-01h	74-16	74-19
74-25	74-29	74-11	74-25
74-29	74-31	73-28	73-28
73-20	73-20	72-29	73-04
73-06	73-06	72-28	73-01
73-10	73-12	72-13	72-13
72-06	72-18	71-26	71-26
72-03	72-09	71-17	71-25
71-29	72-11	71-24	72-11
71-09	71-09	70-10	70-10a
70-04	70-04	69-01	69-20
69-18	69-24	68-29	68-29
68-22	69-01	68-14L	68-27
68-30	69-18	68-29	69-07

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

June 1982

Oct	Open	High	Low	Close
1	72-10	72-24	72-04	72-04
2	72-00	72-11	71-27	72-11
3	73-07	74-09	73-07	74-07
6	74-06	74-24	74-02	74-11
7	74-13	74-13	73-22	73-22
8	72-29	73-15	72-29	73-15
9	73-30	74-26	73-23	74-26
10	74-16	74-19	74-12	74-12
13	74-00	74-12	74-00	74-07
14	74-11	75-02	74-11	74-20
15	74-26	74-30	74-16	74-26
16	75-06	75-06h	73-29	73-29
17	73-21	73-21	72-30	73-06
20	73-00	73-08	72-30	73-03
21	73-13	73-14	72-15	72-15
22	72-09	72-21	71-29	71-29
23	72-05	72-11	71-20	71-28
24	72-05	72-14	71-27	72-14
27	71-14	71-14	70-13	70-13a
28	70-06	70-13	69-10	69-26
29	69-24	69-31	69-02	69-02
30	68-22	69-08	68-22L	69-01
31	69-12	69-20	69-12	69-13

September 1982

Open	High	Low	Close
72-20	72-31	72-11	72-11
72-04	72-15	72-04	72-15
73-16	74-16	73-12	74-13
74-13	74-27	74-06	74-15
74-17	74-17	73-25	73-25
73-04	73-19	73-03	73-18
73-23	74-28	73-23	74-28
74-14	74-22	74-14	74-16
74-02	74-14	74-02	74-09
74-13	75-04h	74-13	74-21
74-27	74-31	74-17	74-27
74-31	75-01	73-30	73-30
73-22	73-22	73-00	73-08
73-02	73-10	73-00	73-05
73-15	73-16	72-17	72-17
72-11	72-23	71-31	71-31
72-11	72-13	71-22	71-30
72-07	72-17	71-30	72-17
71-17	71-17	70-16	70-16a
70-18	70-18	69-15	70-00
69-30	70-03	69-07	69-07
68-27	69-12	68-26L	69-07
69-18	69-20	69-17	69-19

December 1982

Open	High	Low	Close
72-26	73-00	72-17	72-17
72-13	72-22	72-11	72-22
73-22	74-23	73-20	74-19
74-28	74-30	74-12	74-19
74-22	74-22	73-28	73-28
73-15	73-22	73-03	73-21
73-26	74-31	73-26	74-31
74-17	74-24	74-14	74-18
74-04	74-16	74-04	74-11
74-15	75-02	74-15	74-22
74-28	75-00	74-15	74-28
75-07	75-07h	73-31	73-31
73-20	73-20	73-03	73-10
73-04	73-12	73-02	73-07
73-17	73-18	72-19	72-19
72-13	72-25	72-01	72-01
72-13	72-15	71-24	72-00
72-09	72-19	72-00	72-19
71-19	71-19	70-18	70-18a
70-21	70-23	69-25	70-06
70-04	70-08	69-12	69-12
69-00	69-18	69-00L	69-13
69-23	70-00	69-23	69-24

March 1983

Oct	Open	High	Low	Close
1	73-12	73-12	72-23	72-23
2	72-17	73-00	72-17	72-28
3	73-28	74-29	73-28	74-24
6	74-21	75-02	74-17	74-23
7	74-23	74-23	73-31	73-31
8	73-19	73-25	73-09	73-24
9	74-13	75-03	74-13	75-03
10	74-22	74-26	74-18	74-20
13	74-06	74-18	74-06	74-13
14	74-17	75-03	74-17	74-23
15	74-28	75-01	74-19	74-29
16	75-07	75-07h	74-00	74-00
17	73-21	73-21	73-05	73-12
20	73-06	73-14	73-04	73-09
21	73-19	73-20	72-21	72-21
22	72-18	72-27	72-03	72-03
23	72-05	72-07	71-26	72-02
24	72-11	72-21	72-02	72-21
27	71-04	71-04	70-20	70-22
28	70-28	70-28	69-30	70-12
29	70-10	70-16	69-17	69-17
30	69-05	69-27	69-05L	69-19
31	69-29	70-03	69-29	69-29

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Volume Of Sales

Reported in Contracts

Oct	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1		22,281		3,907		1,114	767	782	262	503	292	40L	6L	29,954
2		19,152		3,235		721	403	480	1,171	312	898	388	81	26,841
3		17,788		4,771		1,863	1,314	1,105	768	210	613	90	37	28,559
6		22,776		6,589		2,219	1,114	981	1,362	838	589	143	46	36,657
7		15,905		4,067		1,581	1,065	576	1,053	271	652	235	162	25,567
8	5	21,159		5,085		1,421	742	898	181	599	375	75	175	30,715
9		19,517		4,739		966	286L	601	616	472	578	393	122	28,290
10		15,637		3,932		682L	371	342	188	553	490	553	69	22,817
13		5,823L		1,821L		1,112	941	164L	102L	139L	72L	85	9	10,268L
14		17,893		4,615		1,028	1,834	656	1,439	448	486	184	101	28,684
15		18,571		5,478		1,531	1,482	342	472	265	435	145	22	28,743
16		22,424		5,677		2,316	1,559	756	1,383	1,032	794	264	64	36,269
17		20,654		5,670		1,473	701	452	463	561	440	197	62	30,673
20		13,818		3,762		765	439	348	189	652	353	526	320	21,172
21	1L	16,317		4,225	1L	1,053	497	213	325	707	414	680	111	24,544
22		19,839		5,125	15h	1,007	1,406	1,190	769	1,409	1,147	475	85	32,467
23		20,605		5,851	10	1,117	1,347	1,535	393	1,128	648	425	38	33,097
24	22h	14,186		3,549		703	438	328	558	2,566	1,733	626	149	24,858
27		10,296		4,746		2,945	2,192	2,633	2,133	2,806	1,878	999	512	31,140
28		24,896h		9,689h	1	4,681h	3,797h	3,085h	3,385h	4,475h	3,417h	4,284h	1,721h	63,431h
29		15,377		5,767		1,712	1,340	1,490	641	700	760	838	277	28,902
30		18,071		5,083		1,819	1,006	762	1,493	1,785	1,901	1,457	497	33,874
31		16,636		4,723		2,898	3,459	2,010	1,018	1,337	991	756	247	34,075
Total	28	409,621		112,106	27	36,727	28,500	21,729	20,364	23,768	19,956	13,858	4,913	691,597

U.S. Bonds Open Contracts

Reported in Contracts

Oct	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	Total
1	34h	20,576	10h	13,800L	51L	10,948L	10,850L	13,422	11,764L	12,678L	12,027L	11,180L	4,543L	121,883L
2	34	20,562	10	13,814	51	11,125	10,973	13,428	12,273	12,721	12,447	11,316	4,597	123,351
3	34	20,585	10	14,094	51	11,359	13,972	13,290L	12,652	12,871	12,571	11,321	4,608	127,418
6	34	20,769	10	14,627	51	11,629	10,991	13,510	12,717	13,029	12,711	11,289	4,629	125,996
7	34	20,909	10	14,872	51	11,825	11,336	13,669	12,557	13,069	13,014	11,383	4,676	127,405
8	29	21,364	8L	15,039	51	12,066	11,405	13,687	12,592	13,084	12,951	11,414	4,691	128,381
9	29	21,857	10	15,086	51	12,248	11,453	13,702	12,509	12,922	13,183	11,631	4,743	129,424
10	29	22,380	10	15,594	51	12,301	11,433	13,661	12,508	12,990	13,273	11,714	4,752	130,696
13	29	22,703	10	15,713	51	13,017	11,624	13,672	12,536	12,992	13,266	11,639	4,743	131,995
14	29	23,101h	10	15,814	51	13,186	11,795	13,733	12,865	13,070	13,321	11,573	4,740	133,288
15	29	22,484	10	16,398	51	13,243	12,526	13,756	12,971	13,107	13,439	11,651	4,748	134,413
16	29	21,178	10	17,283	51	13,468	13,429	13,977	13,614	13,403	13,676	11,657	4,745	136,520
17	29	20,953	10	17,381	51	13,853	13,351	14,115	13,453	13,221	13,673	11,751	4,770	136,611
20	29	20,995	10	17,550	51	14,014	13,321	14,063	13,446	13,261	13,867	11,745	5,009	137,361
21	28	20,294	10	17,261	51	14,028	13,483	14,060	13,525	13,329	13,910	12,047	5,010	137,036
22	28	20,887	10	17,605	61h	14,053	14,183	14,605	13,456	13,992	14,246	12,269	4,982	140,377
23	28	20,361	10	17,254	51	14,119	14,340	15,376	13,574	14,017	14,189	12,255	4,986	140,560
24	6L	20,335	10	17,584	51	14,187	14,344	15,342	13,975	15,268	14,864	12,272	5,062	143,300
27	6	19,889L	10	17,617	51	14,303	14,913h	15,749	13,729	16,549	15,183	12,557	5,474	146,030
28	6	21,017	10	18,866	51	15,196	14,351	16,096	14,355h	16,420	15,909	12,839	5,292	150,408
29	6	20,195	10	19,123	51	14,913	14,651	16,197	14,126	16,510	15,987	12,715	5,335	149,819
30	6	20,828	10	19,184	51	15,615h	14,526	16,310	13,685	16,621	16,097	13,066	5,617h	151,616
31	6	21,070	10	19,376h	51	14,952	14,864	17,073h	13,666	16,748h	16,618h	13,169h	5,512	153,115h

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

November 1980 | December 1980 | February 1981

Nov	Open		High	Low	Close		Open		High	Low	Close		Open		High	Low	Close
3	67-11		67-30h	67-11L	67-30		67-05	67-08	68-03	67-05	68-03	68-01					68-13n
4	HOLIDAY																
5					66-11n		70-03	70-03b	70-03	66-18	66-23	66-18					66-31n
6					65-25n		65-28	66-00	66-25	65-20L	65-31	66-10					66-12n
7					67-04n		65-20	66-01	67-30	65-20	67-09	67-15					67-26n
10					66-03n		66-21	66-29	67-05	66-10	66-15	66-10					66-25n
11					68-03n		67-18	68-10	68-12	67-18	68-12b						68-25b
12					68-21n		68-20	68-14	69-10	68-08	68-29	69-00					69-12n
13					68-24n		68-22	68-18	69-16	68-15	69-01	69-03					69-16n
14					67-18n		68-30	68-26	68-31	67-20	67-30	67-27					68-13n
17					66-22n		67-15	67-10	67-18	66-24	67-00	67-02					67-21n
18					68-10n		67-05	67-10	69-01	67-05	68-20	68-24					69-13n
19							69-16	69-26	70-07h	68-17	69-16	69-19					70-07n
20							69-08	69-11	69-15	68-25	68-28	68-31					69-19n
21							68-10	68-05	68-12	67-21	67-30	68-00	68-22		68-22h	68-21L	68-21
24							68-05	68-01	68-22	67-17	68-13	68-09					69-06n
25							68-24	68-28	69-12	68-04	68-04	68-06					69-01n
26							68-03	68-00	68-27	68-00	68-23	68-20					69-21n
27	HOLIDAY																
28							68-20	68-30	68-30	67-30	67-30	68-02					68-30n

March 1981 | May 1981 | June 1981

Nov	Open		High	Low	Close		Open		High	Low	Close	Open		High	Low	Close	
3	67-22	67-15	68-17	67-15	68-14	68-17					68-27n	67-26	67-30	68-29	67-26	68-29	
4	HOLIDAY																
5	70-16	70-16b	70-16	66-30	67-05	66-30					67-18n	70-29	70-29b	70-29	67-21	67-25	67-21
6	66-16	66-11	67-14	66-10L	66-18	66-23	67-22		67-23	66-31L	66-31	67-00	66-30	68-00	66-28L	67-05	67-08
7	66-10	66-28	68-19	66-10	67-31	68-02					68-14n	67-04		69-04	67-01	68-14	68-17
10	67-08	67-24	67-26	67-01	67-04	67-01	67-23		67-23	67-13	67-13	68-03	68-05	68-12	67-20	67-23	67-20
11	68-05	68-11	69-02	68-05	69-02b						69-13b	69-14	68-27	69-20	68-27	69-20b	
12	69-20	69-08	69-27	69-00	69-19	69-17					69-29n	70-00	69-25	70-08	69-15	70-01	70-00
13	69-06	69-12	70-04	69-04	69-20	69-23					70-01n	70-00	69-31	70-19	69-18	70-04	70-05
14	69-19	69-16	69-20	68-13	68-17	68-20					68-31n	70-00	70-01	70-02	68-31	69-06	69-04
17	68-10	68-06	68-14	67-19	67-29	67-27					68-12n	68-30	68-23	69-05	68-08	68-17	68-19
18	68-01	67-28	69-28	67-28	69-19	69-21					70-02n	68-20	68-23	70-17	68-20	70-10	70-07
19	70-08	70-20	71-00h	69-12	70-12	70-16	70-26		70-28h	70-26	70-28	70-27		71-20h	70-03	71-06	71-03
20	70-10	70-14	70-14	69-24	69-26	69-28					70-12n	70-21		71-00	70-15	70-15	70-17
21	69-00	69-07	69-11	68-19	68-28	68-31					69-17n	70-01	69-27	70-04	69-12	69-19	69-22
24	69-08	69-02	69-24	68-17	69-16	69-13					70-03n	69-31	70-00	70-19	69-11	70-09	70-06
25	69-30	69-25	70-14	69-10	69-12	69-10					69-31n	70-20		71-07	70-00	70-02	70-00
26	69-08	69-04	70-05	69-04	70-02	69-28					70-18n	69-31	70-00	70-31	69-30	70-24	70-25
27	HOLIDAY																
28	69-28	69-31	70-01	69-06	69-06	69-10					69-29n	70-30	70-26	70-30	70-00	70-02	70-00

September 1981 | December 1981 | March 1982

Nov	Open		High	Low	Close		Open		High	Low	Close		Open		High	Low	Close
3	68-04	68-05	69-08	68-04	69-07		68-22		69-15	68-19	69-15		68-24		69-22	68-24	69-22
4	HOLIDAY																
5	71-07	71-07b	71-07	68-08	68-08		71-14		71-14	68-22	68-22		71-22		71-22	68-20	68-20
6	67-15	67-12	68-11	67-12L	67-21		67-24	67-26	68-23	67-23L	67-31		68-04		68-27	67-31L	68-10
7	67-18		69-12	67-18	68-26		68-05		69-23	67-26	69-03		68-11	68-10	69-27	68-01	69-09
10	68-18		68-21	68-00	68-00		68-26		68-26	68-12	68-12		68-26		68-31	68-14	68-14
11	69-20		70-01	69-10	70-01b		69-21		70-08	69-15	70-08b		69-22		70-14	69-20	70-14b
12	70-12		70-15	69-25	70-09		70-18		70-19	70-00	70-14		70-18		70-22	70-06	70-19
13	70-08		70-26	69-30	70-13		70-03		71-02	70-03	70-19		70-10	70-11	71-01	70-10	70-23
14	70-10		70-10	69-09	69-17		70-12		70-12	69-18	69-22		70-19		70-19	69-24	69-28
17	69-03	69-04	69-17	68-20	68-27		69-11		69-22	68-30	69-05		69-12		69-28	69-02	69-09
18	69-00	69-02	70-28	69-00	70-18		69-07	69-10	71-03	69-07	70-25	70-24	70-30		71-07	70-16	70-27
19	71-06		71-25h	70-15	71-12		71-04		71-30h	70-20	71-17		71-15		72-05h	70-26	71-22
20	71-00		71-12	70-26	70-29	70-26	71-07		71-16	71-00	71-02		71-12		71-18	71-07	71-07
21	70-10		70-16	69-27	70-04		70-18		70-20	70-01	70-08	70-07	70-22		70-25	70-13	70-16
24	70-12		71-00	69-25	70-22		70-14	70-13	71-00	70-01	70-31		70-19		71-05	70-10	71-05
25	71-02		71-17	70-14	70-15	70-14	71-08		71-23	70-24	70-24		71-23		71-29	70-28	70-31
26	70-13		71-11	70-13	71-05		70-20		71-15	70-20	71-09		70-27		71-19	70-27	71-16
27	HOLIDAY																
28	71-09		71-09	70-12	70-12	70-13	71-15		71-15	70-21	70-21		71-16		71-16	71-00	71-00

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Nov	June 1982 Open	High	Low	Close		September 1982 Open	High	Low	Close	December 1982 Open	High	Low	Close
3	68-30	69-28	68-30	69-28		69-08	70-02	69-08	70-02	69-14	70-08	69-14	70-08
4	HOLIDAY												
5	71-27	71-28	71-28	68-27	68-27	72-02	72-02	69-01	69-01	72-08	72-08h	69-07	69-07
6	68-12		68-30	68-08	68-12	68-24	69-01	68-17	68-17	68-24	69-05	68-20	68-22
7	68-12		69-28	68-07L	69-15	68-12	70-00	68-12L	69-16	68-17	69-19	68-17L	69-19
10	68-29		69-01	68-18	68-18	69-00	69-04	68-21	68-21	69-04	69-07	68-24	68-24
11	69-25		70-18	69-25	70-18b	69-31	70-21	69-27	70-21b	70-02	70-24	69-31	70-24b
12	70-19		70-26	70-13	70-22	70-20	70-28	70-18	70-25	70-22	70-29	70-18	70-27
13	70-10		71-03	70-10	70-26	70-13	71-05	70-12	70-28	70-15	71-07	70-15	70-30
14	70-22		70-22	69-26	70-00	70-24	70-24	69-28	70-04	70-26	70-26	70-02	70-08
17	69-16		69-31	69-08	69-16	69-18	70-02	69-11	69-20	69-22	70-06	69-22	69-24
18	69-21		71-12	69-21	70-25	69-26	71-01	69-26	70-31	69-30	71-13	69-30	71-07
19	71-15		72-02	71-00	71-27	71-13	72-00	71-06	72-00	71-17	72-04	71-09	72-04
20	71-22		71-26	71-15	71-15	71-27	71-27	71-20	71-20	71-27	72-00	71-25	71-25
21	70-30		71-00	70-22	70-22	71-03	71-03	70-18	70-28	71-08	71-10	71-02	71-02
24	70-20		71-11	70-18	71-11	70-30	71-17	70-26	71-17	71-04	71-23	71-00	71-23
25	71-29		72-05h	71-10	71-10	72-02	72-03h	71-11	71-11	72-08	72-08	71-13	71-13
26	71-07		71-26	71-07	71-25	71-26	71-07	71-27	71-07	71-27	72-22	72-07	71-22	72-01
27	HOLIDAY												
28	71-18		71-19	71-01	71-01		71-24	71-24	71-07	71-07	71-30	71-31	71-13	71-13

Nov	March 1983 Open	High	Low	Close	June 1983 Open	High	Low	Close
3	69-24	70-14	69-19	70-14				
4	HOLIDAY							
5	72-14	72-14h	69-13	69-13				
6	69-00	69-10	68-26L	69-02				
7	69-02	70-00	69-02	69-22				
10	69-07	69-10	68-27	68-27				
11	70-05	70-27	70-02	70-27b				
12	70-27	71-00	70-21	70-29				
13	70-17	71-11	70-17	71-00				
14	70-28	70-28	70-04	70-11				
17	70-00	70-10	69-26	69-28				
18	70-06	71-11	70-06	71-11				
19	71-21	72-08	71-18	72-08				
20	72-00	72-05	71-30	71-30				
21	71-13	71-13	71-06	71-08	71-18	71-18	71-12L	71-14
24	71-10	71-29	71-06	71-29	71-16	72-03	71-14	72-03
25	72-14	72-14	71-23	71-23	72-20	72-20h	71-29	71-29
26	71-25	72-07	71-25	72-07	72-02	72-13	72-02	72-13
27	HOLIDAY							
28	72-04	72-05	71-18	71-18	72-10	72-10	71-23	71-23

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Volume Of Sales

Reported in Contracts

Nov	1980 Nov	1930 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	Total
3	6h	10,271		3,087L		1,140L	674	635	944	1,346	1,250	611	164		20,128
4	HOLIDAY														
5		26,101		9,885		3,907	2,031	1,232	2,227	1,593	1,708	359	493		49,536
6		23,775		11,538	10h	3,077	2,013	1,452	1,308	1,622	2,184	996	224		48,199
7		30,673h		15,757		3,265	2,390	1,998	1,873	2,049	2,019	2,274	943		63,241h
10		22,235		9,536	1L	2,741	605L	1,780	1,046	1,103	1,030	521	148		40,746
11		8,505		6,830		3,228	1,502	1,910	1,366	2,286	1,445	760	536		28,368
12		22,401		10,938		1,998	1,020	900	1,059	1,600	2,082	287L	617		42,902
13		19,169		9,608		1,392	753	699	1,205	380L	1,358	572	470		35,606
14		17,204		10,249		2,000	609	1,035	1,295	772	1,719	767	361		36,011
17		14,976		10,975		2,484	784	544L	569	652	463L	776	57L		32,280
18		16,830		13,751		4,880h	2,697h	3,301h	2,574h	2,782h	2,406h	2,511h	1,665h		53,397
19		18,970		16,342	2	3,622	2,246	1,558	1,394	2,334	2,012	1,080	192		49,752
20		9,413		16,060		3,079	2,013	1,459	529	890	1,032	1,409	381		36,265
21		9,096	2h	20,985		4,136	1,135	725	491L	710	804	1,304	508	2	39,898
24		7,673		22,273		3,672	1,666	1,883	681	1,165	969	792	428	18	41,220
25		7,694		22,561h		3,218	1,205	1,733	1,259	1,202	714	896	663	1L	41,146
26		7,587				3,175	1,530		977			1,475		19	14,763L
27	HOLIDAY														
28		2,578L		11,631		2,126	1,298	1,313	522	1,561	1,001	708	343	33h	23,114
Total	6	275,151	2	222,006	13	53,149	26,171	24,157	21,319	24,047	24,196	18,098	8,193	73	696,572

U.S. Bonds Open Contracts

Reported in Contracts

Nov	1980 Nov	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	Total
3		21,109	10h	19,624L	51h	15,179L	14,684L	17,024L	13,512L	16,826L	16,781L	13,105	5,490		153,395
4	HOLIDAY														
5		20,990	10	20,110	51	15,875	14,706	17,239	14,072	17,290	17,119	13,002L	5,481		155,937
6		21,342	10	20,550	41	16,414	14,785	17,212	14,298	17,822	17,700	13,320	5,454		158,948
7		22,568	10	22,992	41	17,197	15,196	17,517	13,999	18,124	18,606	14,817	5,433L		166,500
10		24,445	10	23,688	40L	17,500	15,355	17,445	14,459	18,406	18,841	14,774	5,472		170,435
11		24,460	10	23,715	40	17,945	15,350	17,458	14,620	18,294	19,391	15,149	5,791		172,223
12		24,072	10	24,174	40	17,721	15,575	17,835	15,076	18,815	19,609	14,939	5,512		173,378
13		24,894	10	24,972	40	17,832	15,979	17,830	15,631	18,771	19,888	15,125	5,586		176,558
14		24,766	10	25,689	40	18,199	16,176	18,097	16,031	20,112	21,005	15,386	5,806		181,317
17		24,925h	10	26,983	40	18,991	16,309	17,936	15,462	19,025	21,060	15,603	5,835		182,179
18		23,961	10	28,167	40	19,931	17,506	18,969	16,914	18,964	21,814	16,244	6,852		189,372
19		23,339	10	29,646	41	20,673	18,143	19,112	17,071	19,558	22,336	16,475	6,832		193,236
20		21,640	10	31,340	41	21,517	18,360	19,702	16,991	19,602	22,329	16,424	6,867		194,823
21		19,856	10	33,447	41	22,074	18,237	19,591	17,233	19,786	22,604	16,636	7,019		196,534
24		18,286	10	35,057	41	22,790	18,966	20,329	17,501	20,285	22,938	17,211	7,202	18L	200,634
25		16,235	10	35,814	41	23,282	19,216	20,722	17,996	20,785	22,990h	18,044	7,797	18	202,950
26		13,055			41	23,843	19,239		18,070h			17,973		33	92,254L
27	HOLIDAY														
28		12,302L	10	38,461h	41	23,942h	19,734h	21,113h	17,989	21,888h	22,776	18,681h	7,881h	56h	204,874h

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

December 1980

Dec	Open		High	Low	Close	
1	67-22		68-10	67-00	67-02	67-00
2	67-21	67-23	67-23	66-23	67-07	67-08
3	67-13		68-00	67-13	67-27	
4	68-00		68-06	67-08	67-24	67-26
5	67-13		68-20h	67-07	68-20	68-14
8	68-06		68-10	67-20	67-20	67-23
9	67-05		67-09	65-28	65-30	65-28
10	65-28		66-09	65-10	65-14	65-16
11	64-07		64-24	63-28L	63-10	
12	63-13		66-08	63-13	65-20	
15	65-09		65-28	65-05	65-13	
16	64-31	64-30	64-31	64-13	64-28	
17	65-08		66-23	65-04	65-19	
18	65-28		66-30	65-26	66-18	
19						
22						
23						
24						
25	HOLIDAY					
26	HOLIDAY					
29						
30						
31						

February 1981

Open	High	Low	Close
			67-27n
			68-04n
			68-25n
			68-20n
			69-18n
			68-25n
			67-00n
			66-24n
64-24	64-24	64-24L	64-24a
			66-24b
			66-03n
			65-28n
			66-26n
67-20	67-20	67-19	67-19
			69-18b
			71-18b
			71-14n
			71-25n
			72-00n
71-01	71-01h	70-23	70-23
			71-02n

March 1981

Open		High	Low	Close	
68-31	68-20	69-16	68-05	68-09	68-06
69-00	68-23	69-00	67-28	68-14	68-17
68-30	68-24	69-07	68-20	69-04	69-02
69-10	69-14	69-14	68-12	69-00	68-29
68-18	68-25	70-00	68-14	70-00	69-28
69-17	69-16	69-26	69-02	69-04	69-06
68-19	68-24	68-24	67-10	67-10	67-15
67-05	67-02	67-24	66-16	66-29	67-07
66-05	66-00	66-10	65-02	65-02	65-02a
64-26	65-00	67-02	64-26L	67-02	67-02b
66-21	66-28	67-23	66-19	67-00	66-27
66-08	66-15	66-23	65-26	66-09	66-15
66-20	66-25	68-12	66-15	67-12	67-07
67-17	67-11	68-16	67-10	68-00	68-03
69-20	69-28	70-02	69-08	70-02	70-02b
72-02	72-02b	72-02	71-08	72-02	72-02b
72-07	70-12	72-15	70-02	71-25	71-27
71-04	71-08	72-05	70-29	72-00	72-05
72-10	72-17	72-24h	71-25	72-08	72-04
72-00	72-02	72-02	71-01	71-01	71-05
71-06	71-08	71-16	70-20	71-07	71-16

May 1981

Dec	Open		High	Low	Close
1					69-00n
2					69-07n
3					69-25n
4					69-18n
5					70-23n
8					69-29n
9					68-04n
10	67-21		68-12	67-21	67-30
11	65-30		65-30	65-30L	65-30a
12					67-30b
15					67-20n
16					67-01n
17					67-28n
18					68-24n
19					70-23b
22					72-23b
23	72-		72-14h	72-08	72-14
24					72-25n
25	HOLIDAY				
26	HOLIDAY				
29					
30					72-26n
31					72-20n
					72-01n

June 1981

Open		High	Low	Close	
69-29	69-24	70-15	69-04	69-07	69-04
69-30	69-29	69-30	68-31	69-18	69-16
69-29	69-26	70-04	69-19	70-01	69-31
70-08	70-05	70-08	69-08	69-24	69-25
69-14	69-18	71-03	69-05	70-29	71-00
70-21	70-20	70-29	70-02	70-04	70-08
69-28	69-20	69-28	68-12	68-15	68-12
68-15	68-10	68-27	67-20	68-00	68-06
67-09	67-02	67-13	66-07	66-07a	
65-28	66-06	68-07	65-28L	68-07	68-07b
68-02	67-26	68-26	67-19	68-01	67-28
67-18	67-16	67-22	66-28	67-08	67-16
67-20	67-23	69-10	67-15	68-07	68-04
68-11	68-16	69-12	68-08	69-00	69-02
70-31	70-20	71-00	70-08	71-00b	
73-00	73-00b	73-00	72-08	72-31	73-00
73-10	71-00	73-10	71-00	72-17	72-21
72-02	72-05	73-00	71-25	72-28	73-00
73-08	73-06	73-18h	72-16	73-01	72-28
72-25	72-18	72-25	71-22	71-22	71-26
71-29	72-00	72-10	71-12	72-01	72-10

September 1981

Open		High	Low	Close	
69-26		70-22	69-24	69-27	69-24
70-13	70-15	70-15	69-16	70-02	
70-15	70-12	70-19	70-05	70-17	
70-22	70-23	70-23	69-25	70-06	
70-00	70-02	71-23	69-27	71-17	71-14
71-05	71-06	71-19	70-25	70-29	70-27
70-20	70-14	70-20	69-02	69-05	69-02
69-04	68-30	69-20	68-10	68-24	69-00
68-02	68-06	68-07	67-00	67-00a	
67-04		69-00	66-18L	69-00b	
68-16	68-20	69-14	68-09	68-18	68-14
68-00	68-03	68-09	67-16	67-27	
68-05	68-11	69-28	68-05	68-20	68-28
68-30	68-28	69-28	68-25	69-17	69-13
70-26		71-16	70-26	71-16b	
73-16	73-16b	73-16	72-22	73-16	73-15
74-00	73-30	74-00h	71-15	73-00	72-31
72-18	72-16	73-16	72-07	73-10	73-16
73-22		73-28	72-27	73-10	73-18
73-00	73-02	73-02	72-01	72-04	72-01
72-10	72-08	72-20	71-23	72-10	72-20

December 1981

Dec	Open		High	Low	Close	
1	70-08	70-03	70-28	70-01	70-01	
2	70-14		70-17	69-26	70-12	
3	70-22	70-24	70-28	70-13	70-23	
4	70-30	70-31	70-31	70-00	70-13	
5	70-08		71-27	70-02	71-21	
8	71-10		71-28	71-05	71-06	71-07
9	70-25		70-29	69-16	69-16	69-24
10	69-12		70-00	68-25	69-10	69-12
11	68-15	68-22	68-22	67-13	67-13a	
12	67-11	67-17	69-13	66-31L	69-12	69-13
15	69-00		69-23	68-22	68-27	68-25
16	68-11		68-19	67-27	68-06	
17	68-20		70-03	68-15	68-29	
18	69-05		70-02	69-01	69-20	
19	71-14		71-22	71-02	71-22b	
22	73-22	73-22b	73-22	72-29	73-19	
23	74-02	73-28	74-02h	72-01	72-31	
24	72-21		73-13	72-10	73-10	
25	HOLIDAY					
26	HOLIDAY					
29	73-23		73-30	72-28	73-09	
30	72-30	73-00	73-00	72-02	72-03	72-02
31	72-10		72-20	71-24	72-14	72-19

March 1982

Open		High	Low	Close	
70-08		70-31	70-08	70-10	
70-21		70-25	70-10	70-20	
70-28		71-02	70-21	70-30	
70-24		70-30	70-13	70-19	
70-15		72-03	70-12	71-28	
71-18		72-05	71-14	71-20	
71-08	71-10	71-10	69-26	69-26	
69-21	69-22	70-08	69-13	69-24	69-27
68-29	68-30	69-00	67-24	67-24a	
68-00		69-24	67-10L	69-22	69-24
69-15		69-25	69-00	69-05	
68-24		68-29	68-10	68-16	
68-28		70-07	68-24	69-04	
69-08		70-06	69-08	69-28	
71-20		71-27	71-08	71-27b	
73-27		73-27	73-03	73-22	73-23
74-03		74-03h	72-25	73-05	
72-17		73-19	72-09	73-19	
73-21		73-31	72-31	73-07	
72-30		73-30	72-04	72-04	
72-10		72-25	71-27	72-25	

June 1982

Open		High	Low	Close
70-21		71-05	70-18	70-18
70-29		70-29	70-18	70-28
71-03		71-09	70-30	71-03
71-05		71-05	70-19	70-25
70-16		72-10	70-16	72-03
71-22	71-21	72-12	71-21	71-26
71-14		71-16	70-02	70-02
69-29		70-13	69-18	69-22
69-07		69-08	68-01	68-01a
68-07	68-11	70-01	67-26L	70-01b
69-24		70-00	69-08	69-14
69-04		69-04	68-20	68-23
69-02		70-15	68-31	69-09
69-13		70-09	69-13	69-31
71-25		71-31	71-12	71-31b
73-24		73-28	73-08	73-23
73-23		73-23	72-28	73-07
72-15		73-14	72-15	73-14
73-21		74-01h	73-02	73-06
72-29	72-31	73-01	72-08	72-08
72-08		72-27	71-27	72-27

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Futures Prices

Open, High, Low and Close
Points and 32nds at Par

Dec	September 1982 Open	High	Low	Close	December 1982 Open	High	Low	Close	March 1983 Open	High	Low	Close
1	71-00	71-11	70-24	70-24	71-06	71-17	70-31	70-31	71-12	71-17	71-06	71-06
2	71-04	71-05	70-24	71-03	71-10	71-12	71-00	71-10	71-17	71-17	71-08	71-17
3	71-10	71-16	71-05	71-09	71-16	71-21	71-13	71-15	71-24	71-24	71-21	71-21
4	71-11	71-11	70-24	70-31	71-15	71-18	70-30	71-05	71-21	71-25	71-06	71-11
5	70-18	72-09	70-18	72-09	70-25	72-15	70-25	72-15	71-12	72-23	71-12	72-21
8	72-06	72-12	71-31	72-02	72-06	72-26	72-06	72-10	72-16	73-01	72-10	72-21
9	71-22	71-22	70-10	70-10	71-30	71-30	70-18	70-18	72-06	72-06	70-26	70-26
10	70-12	70-26	70-00	70-00	70-19	70-30	70-05	70-17	70-26	71-06	70-05	70-25
11	69-10	69-15	68-09	68-09a	69-17	69-23	68-17	68-17a	69-26	69-26	68-25	68-25a
12	69-00	70-09	68-04L	70-09b	69-08	70-17	68-08L	70-16	69-16	70-25	68-20L	70-23
15	69-27	70-10	69-16	69-22	69-30	70-20	69-22	69-30	70-26	70-30	70-00	70-06
16	69-03	69-12	68-25	68-30	69-11	69-20	69-02	69-05	69-18	69-28	69-10	69-12
17	69-11	70-21	69-10	69-11	69-17	70-27	69-12	69-12	69-27	71-02	69-24	69-24
18	69-18	70-13	69-18	70-04	69-24	70-17	69-24	70-08	69-28	70-21	69-28	70-12
19	71-20	72-03	71-18	72-03b	71-10	72-07	71-10	72-07b	71-28	72-11	71-28	72-11b
22	74-02	74-02h	73-10	73-26	74-07	74-07h	73-14	73-28b	74-10	74-10h	73-20	74-00
23	73-26	73-26	73-00	73-04	73-28	73-28	72-28	73-05	74-00	74-00	72-31	73-13
24	72-20	73-15	72-18	73-15	72-27	73-16	72-20	73-16	72-26	73-17	72-19	73-17
25	HOLIDAY											
26	HOLIDAY											
29	74-01	74-01	73-04	73-05	74-00	74-00	73-04	73-04	73-21	73-31	73-03	73-03
30	72-30	72-30	72-09	72-09	72-26	72-30	72-10	72-10	72-26	72-30	72-11	73-11
31	72-07	72-29	72-00	72-29	72-06	72-31	72-00	72-31	72-05	73-01	71-28	73-01

Dec	June 1983 Open	High	Low	Close		September 1983 Open	High	Low	Close	June 1984 Open	High	Low	Close
1	71-10	71-17	71-10	71-13									
2	71-24	71-24	71-17	71-24									
3	71-30	71-30	71-27	71-27									
4	71-27	71-27	71-12	71-13	71-14								
5	71-19	72-30	71-19	72-30									
8	72-22	73-07	72-22	72-29									
9	72-14	72-14	71-02	71-02									
10	70-25	71-08	70-22	71-01									
11	70-02	70-02	69-01	69-01a									
12	69-24	71-01	69-00L	70-31									
15	71-04	71-04	70-08	70-14						70-14	70-28h	70-14L	70-16
16	69-25	70-05	69-17	69-19									70-26n
17	70-02	71-09	69-29	69-29									71-00n
18	70-03	70-30	70-03	70-16									72-31b
19	72-08	72-15	72-00	72-15b		72-04	72-19	72-04	72-19b				
22	74-00	74-08h	73-29	74-03		74-06	74-10h	74-03	74-06				74-15n
23	74-03	74-03	72-25	73-07		73-08	73-22	73-08	73-08				73-11n
24	72-29	73-18	72-22	73-18		72-26	73-19	72-26	73-19				73-22n
25	HOLIDAY												
26	HOLIDAY												
29	73-23	73-31	73-03	73-03		73-08	73-18	73-03	73-03				73-03n
30	72-25	72-28	72-12	72-12		72-24	72-30	72-13	72-13				72-16n
31	72-04	73-03	71-30	73-03		72-03	73-05	71-30L	73-05				73-11n

h = high L = low a = asked b = bid n = nominal

U.S. Bonds Volume Of Sales

Reported in Contracts

Dec	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	1983 Sep	1984 Jun	Total
1	3,086h		22,711		4,979	1,979	1,429	1,061	1,521	995	1,220	801	24L			39,806
2	1,589		21,594		4,477	1,845	1,564	1,923	1,419	1,789	1,737	738	386			39,061
3	1,448		20,900		3,871	2,418	1,125	790L	1,019L	870L	2,090	1,411	150			36,092
4	1,278		20,376		4,764	2,030	1,006L	1,770	1,719	1,141	885	689	305			35,963
5	1,777		27,078		6,643	3,756	2,441	2,505	2,601	1,624	1,215	574	204			50,418
8	1,304		23,701		7,226	3,208	3,226	3,373	4,442	3,048	2,765	521	193			53,007
9	1,211		31,048		7,395	3,204	2,309	1,614	1,605	2,356	2,892	1,635	121			55,390
10	1,203		36,253h	7	8,452	3,602	3,973	4,683	4,124	4,011	1,497	1,422	836			70,063
11	767	5h	29,647	5L	10,275h	6,631h	2,776	3,284	3,325	4,004	2,452	1,088	130			64,389
12	212L		24,796		8,478	5,636	4,666	7,798h	7,871h	9,132h	6,390h	4,061h	1,020			80,060h
15	881		20,707		5,052	2,502	1,517	1,910	1,947	2,417	1,600	1,279	663			40,475
16	327		22,658		5,720	2,035	1,621	1,815	2,448	2,439	1,550	1,908	1,316h		1h	43,838
17	2,636		30,107		7,455	5,530	4,255	3,531	2,656	2,606	2,412	1,861	501			63,550
18	639	2L	24,660		6,244	3,343	2,979	3,573	2,371	870	1,125	468	242			46,516
19			15,195		5,787	3,766	2,848	3,589	3,082	3,538	4,335	1,826	647	61		44,674
22			21,775	20h	7,716	4,512	3,874	4,305	4,903	5,315	3,268	1,812	847	18		58,365
23			21,962	15	9,311	5,921	4,885h	4,284	3,575	2,307	1,867	1,703	1,036	64		56,930
24			8,982L		3,220L	1,762L	1,244	874	1,570	1,001	868	388L	243	15L		20,167L
25	HOLIDAY															
26	HOLIDAY															
29			13,885		6,272	4,637	3,923	2,821	3,311	2,833	2,511	1,330	551	358h		42,432
30		2	17,030		6,149	3,024	1,971	2,160	2,194	2,883	2,745	1,663	983	165		40,969
31			11,000		4,350	2,621	1,507	1,950	1,272	1,501	792L	1,780	672	236		27,681
Total	18,358	9	466,065	47	133,836	73,962	55,139	59,613	58,975	56,680	46,21n	28,958	11,070	917	1	1009,846

U.S. Bonds Open Contracts

Reported in Contracts

Dec	1980 Dec	1981 Feb	1981 Mar	1981 May	1981 Jun	1981 Sep	1981 Dec	1982 Mar	1982 Jun	1982 Sep	1982 Dec	1983 Mar	1983 Jun	1983 Sep	1984 Jun	Total
1	11,264h	10h	38,186L	41	24,503L	20,525L	21,745L	18,296	22,857L	23,164L	19,404L	8,319L	68L			208,382L
2	10,529	10	39,346	41	25,071	20,918	21,962	18,033L	23,631	23,365	20,491	8,392	363			212,152
3	10,073	10	40,713	41	25,220	21,075	21,997	18,239	23,981	23,558	21,003	8,835	513			215,258
4	10,071	10	41,785	41	25,942	21,595	22,035	18,350	24,295	23,801	21,337	9,133	233			218,628
5	9,876	10	45,074h	41	27,198	23,132	23,569	19,522	25,575	24,406	21,849	9,560	392			230,204
8	9,676	10	43,996	41	26,973	23,601	23,737	20,417	25,053	25,109	22,448	9,692	517			231,270
9	8,872	10	43,100	41	26,821	23,740	24,486	20,446	25,249	25,621	24,698	10,916	547			234,547
10	8,450	10	41,267	44h	27,142	23,136	24,444	20,322	26,310	26,189	25,163	10,515	1,292			234,284
11	8,220	5L	39,908	44	27,958	21,760	24,542	19,636	27,588	27,145	25,353	10,555	1,342			234,056
12	7,702	5	38,538	44	27,694	21,448	25,189	21,467	27,290	27,569	25,968	11,370	1,915			236,199
15	7,359	5	40,208	44	27,297	21,280	25,468	21,479	26,351	26,409	25,853	11,435	2,117			235,305
16	6,561	5	40,446	44	28,177	21,263	25,247	21,531	25,206	25,995	26,003h	11,763	1,619		1h	233,861
17	5,559	5	42,676	44	28,422	22,396	25,786h	22,902	25,502	27,079	25,791	12,149	1,835		1	240,147
18	4,795	5	42,216	44	28,805	22,357	24,885	22,840	26,437	26,890	25,766	12,225	1,927		1	239,193
19	4,714	5	43,235	44	29,719	22,561	24,305	23,312	26,124	27,694	24,859	12,270	2,322	60L	1	241,225
22	4,753	5	42,305	24	30,576	23,338	23,657	23,981	26,231	28,088	24,473	12,537	2,333	83	1	242,385
23	4,753	5	42,772	9L	30,000	31,726h	23,460	24,167	27,069	28,506h	23,639	12,247	2,240	137	1	250,731h
24	2,751	5	43,638	9	30,169	22,773	24,053	24,620	27,180	28,370	23,382	12,229	2,259	147	1	241,586
25	HOLIDAY															
26	HOLIDAY															
29	2,743	5	43,773	9	29,924	23,085	23,665	24,888	27,624	27,780	23,744	12,562h	2,686	500	1	242,989
30	141L	5	43,597	9	30,629	23,061	23,090	24,741	27,912	27,805	24,128	12,403	2,398	596	1	240,516
31		5	43,999	9	31,190h	23,370	23,857	24,967h	28,342h	27,732	24,106	12,446	2,779h	811h	1	243,614

h = high L = low a = asked b = bid n = nominal

U.S. BONDS

Monthly Range of Futures Prices
Points and 32nds at Par

February Delivery

Trading Year	Delivery Year	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	Trading Year	Delivery Year
80-81	81									80-20	75-02	77-01	71-28	80-81	81

Trading Year	Delivery Year	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	Trading Year	Delivery Year
80-81	81	75-14	71-01			68-22	68-21	71-01	64-24					80-81	81

March Delivery

Trading Year	Delivery Year	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	Trading Year	Delivery Year
80-81	83					83-19	79-15	80-19	74-24	76-27	73-10	76-11	71-15	80-81	83
80-81	82	79-24	71-15	83-16	76-20	84-16	77-16	80-20	74-28	76-27	73-00	76-02	70-10	80-81	82
80-81	81	79-20	69-28	84-00	77-03	85-28	78-03	81-15	74-28	77-03	71-20	75-18	68-30	80-81	81
79-80	82					91-06	90-10	91-15	89-11	90-23	88-22	88-20	86-17	79-80	82
79-80	81	90-25	88-23	90-10	88-07	91-27	89-19	92-00	89-22	91-06	89-02	89-04	86-29	79-80	81
79-80	80	91-00	88-23	90-21	88-08	92-18	89-25	92-16	89-28	91-20	89-11	89-19	87-06	79-80	80
78-79	81					91-11	91-01	92-03	90-09	94-03	91-23	95-27	93-07	78-79	81
78-79	80	94-14	93-20	93-25	92-04	92-26	91-11	92-13	90-18	94-20	92-00	95-23	93-10	78-79	80
78-79	79	95-17	94-05	94-16	92-27	93-29	92-02	93-04	91-11	95-15	92-23	96-05	93-08	78-79	79
77-78	80													77-78	80
77-78	79									101-20	100-17	101-26	100-27	77-78	79
77-78	78									103-08	101-25	103-03	102-07	77-78	78

Trading Year	Delivery Year	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	Trading Year	Delivery Year
80-81	83	75-07	69-05	72-14	68-26	74-10	68-20							80-81	83
80-81	82	75-01	68-14	72-05	67-31	74-03	67-10							80-81	82
80-81	81	74-30	67-10	71-00	66-10	72-24	64-25							80-81	81
79-80	82	86-22	78-23	84-24	79-13	85-11	81-10	83-05	76-08	76-22	65-23	76-15	69-06	79-80	82
79-80	81	87-03	78-22	85-04	79-12	85-13	81-23	83-18	76-08	76-25	65-14	74-29	67-20	79-80	81
79-80	80	87-17	78-10	83-23	77-29	84-20	80-05	82-02	73-22	74-19	62-27	70-11	64-07	79-80	80
78-79	81	94-17	91-10	94-19	92-04	93-29	90-29	92-17	90-21	92-15	89-25	91-03	89-31	78-79	81
78-79	80	94-15	91-12	94-15	92-08	93-28	90-31	92-19	90-20	92-18	89-28	91-07	89-27	78-79	80
78-79	79	94-03	90-24	93-20	91-16	93-05	90-00	92-01	89-25	92-02	89-07	90-12	89-03	78-79	79
77-78	80											96-02	94-26	77-78	80
77-78	79	101-19	99-24	100-18	99-06	100-06	97-23	98-03	96-03	96-19	95-07	96-19	94-28	77-78	79
77-78	78	102-18	100-24	101-24	100-05	101-13	98-21	99-10	97-00	97-20	96-08	98-05	96-24	77-78	78

May Delivery

Trading Year	Delivery Year	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	Trading Year	Delivery Year
80-81	81			80-15	75-00	77-00	72-10	75-15	69-16	73-00	68-15	70-28	66-31	80-81	81

Trading Year	Delivery Year	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	Trading Year	Delivery Year
80-81	81	72-14	65-30											80-81	81

U.S. BONDS

Monthly Range of Futures Prices
Points and 32nds at Par

June Delivery

Trading Year	Delivery Year	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	Trading Year	Delivery Year
80-81	83	-	-	-	-	-	-	-	-	72-20	71-12	74-08	69-00	80-81	83
80-81	82	80-13	74-27	76-27	73-12	76-03	70-22	75-06	68-22	72-05	68-07	74-01	67-26	80-81	82
80-81	81	81-08	74-26	77-00	71-27	75-23	69-11	75-04	67-22	71-20	66-28	73-18	65-28	80-81	81
79-80	82	-	-	-	-	88-08	86-14	86-13	78-15	84-22	79-13	85-10	81-07	79-80	82
79-80	81	91-27	89-17	91-01	88-31	88-28	86-28	86-31	78-22	84-27	79-12	85-11	81-24	79-80	81
79-80	80	92-12	89-27	91-18	89-09	89-18	87-05	87-13	78-11	84-14	78-15	85-00	80-01	79-80	80
78-79	81	-	-	-	-	93-30	93-15	94-11	91-10	94-20	92-07	93-28	90-28	78-79	81
78-79	80	92-10	90-17	94-10	91-30	95-20	93-10	94-12	91-11	94-18	92-08	93-28	90-31	78-79	80
78-79	79	92-28	91-03	95-06	92-15	96-03	93-08	94-09	91-00	93-31	92-02	93-15	90-09	78-79	79
77-78	80	-	-	-	-	-	-	-	-	-	-	-	-	77-78	80
77-78	79	-	-	-	-	-	-	-	-	-	-	98-11	97-18	77-78	79
77-78	78	-	-	102-24	101-10	102-21	101-27	102-06	100-10	101-12	99-25	101-01	98-11	77-78	78

Trading Year	Delivery Year	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	Trading Year	Delivery Year
80-81	83	-	-	-	-	-	-	-	-	-	-	-	-	80-81	83
80-81	82	-	-	-	-	-	-	-	-	-	-	-	-	80-81	82
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81
79-80	82	82-28	76-08	76-18	65-23	76-20	69-12	79-21	71-22	82-20	76-19	84-11	77-16	79-80	82
79-80	81	83-15	76-14	76-29	65-04	75-11	68-04	79-27	70-15	84-00	76-30	85-15	77-31	79-80	81
79-80	80	82-24	74-07	75-07	63-15	71-24	64-30	77-27	67-12	83-20	77-00	87-07	78-09	79-80	80
78-79	81	92-12	90-21	92-13	89-25	90-29	89-31	90-24	88-25	90-08	88-06	91-21	89-20	78-79	81
78-79	80	92-18	90-20	92-19	89-27	91-06	89-27	90-31	88-24	90-18	88-08	92-13	89-24	78-79	80
78-79	79	92-08	90-01	92-09	89-13	90-27	89-09	90-19	88-02	90-09	87-20	92-01	89-16	78-79	79
77-78	80	-	-	-	-	95-31	94-23	94-09	93-17	93-01	92-12	92-27	91-07	77-78	80
77-78	79	97-28	96-03	96-19	95-05	96-14	94-24	95-07	93-29	94-10	92-20	93-16	91-26	77-78	79
77-78	78	98-30	96-19	97-09	95-24	97-19	95-25	96-25	95-10	95-24	94-13	95-07	94-06	77-78	78

August Delivery

Trading Year	Delivery Year	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	Trading Year	Delivery Year
79-80	80	-	-	-	-	-	-	-	-	-	-	-	-	79-80	80

Trading Year	Delivery Year	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	Trading Year	Delivery Year
79-80	80	-	-	-	-	-	-	-	-	80-15	75-10	77-06	75-09	79-80	80

U.S. BONDS

Monthly Range of Futures Prices
Points and 32nds at Par

September Delivery

Trading	Delivery	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	83	-	-	-	-	74-10	71-30	-	-	-	-	-	-	80-81	83
80-81	82	75-04	68-26	72-03	68-12	74-02	68-04	-	-	-	-	-	-	80-81	82
80-81	81	75-03	68-00	71-25	67-12	74-00	66-18	-	-	-	-	-	-	80-81	81
79-80	82	-	-	-	-	83-09	81-16	82-20	76-05	76-17	65-24	76-28	69-12	79-80	82
79-80	81	86-26	78-17	84-27	79-14	85-10	81-15	83-07	76-11	76-30	65-25	75-23	68-18	79-80	81
79-80	80	87-13	78-12	84-25	78-26	85-11	81-10	83-12	75-02	75-28	64-05	72-29	65-30	79-80	80
78-79	81	-	-	-	-	91-07	91-00	92-14	90-21	92-15	89-25	90-29	89-30	78-79	81
78-79	80	94-16	91-11	94-17	92-08	93-27	90-30	92-17	90-21	92-18	89-28	91-05	89-27	78-79	80
78-79	79	94-13	91-04	94-07	92-07	93-23	90-23	92-18	90-10	92-16	89-20	91-01	89-16	78-79	79
77-78	80	-	-	-	-	-	-	-	-	-	-	95-22	95-13	77-78	80
77-78	79	-	-	-	-	-	-	-	-	-	-	96-10	95-05	77-78	79
77-78	78	102-02	100-05	101-01	99-18	100-21	98-03	98-18	96-12	97-00	95-16	97-04	95-09	77-78	78
76-77	78	-	-	-	-	-	-	-	-	-	-	-	-	76-77	78

Trading	Delivery	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	83	-	-	-	-	-	-	-	-	-	-	-	-	80-81	83
80-81	82	-	-	-	-	-	-	-	-	-	-	-	-	80-81	82
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81
79-80	82	79-20	71-24	83-00	76-15	84-06	77-13	80-18	74-26	76-27	73-09	76-04	70-31	79-80	82
79-80	81	79-24	71-00	83-18	76-23	85-03	77-26	81-01	74-29	77-00	72-20	75-26	69-20	79-80	81
79-80	80	78-22	68-10	83-26	77-03	86-25	78-09	81-26	75-00	77-06	70-29	75-12	71-20	79-80	80
78-79	81	90-24	88-23	90-07	88-07	91-16	89-18	91-21	89-15	90-26	88-28	88-28	86-22	78-79	81
78-79	80	90-28	88-24	90-15	88-09	92-06	89-23	92-06	89-27	91-16	89-09	89-17	87-03	78-79	80
78-79	79	90-26	88-11	90-15	87-28	92-14	89-19	92-13	89-26	91-18	89-13	89-25	88-14	78-79	79
77-78	80	94-09	93-16	93-16	92-11	92-24	91-06	92-08	90-15	94-13	91-30	95-21	93-10	77-78	80
77-78	79	95-03	93-24	94-03	92-15	93-14	91-21	92-22	90-30	94-28	92-10	95-30	93-08	77-78	79
77-78	78	96-05	94-23	95-04	93-20	94-26	92-27	93-27	92-01	96-07	93-15	96-18	94-22	77-78	78
76-77	78	-	-	-	-	-	-	-	-	102-14	101-00	102-12	101-13	76-77	78

November Delivery

Trading	Delivery	DECEMBER		JANUARY		FEBRUARY		MARCH		APRIL		MAY		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	-	-	-	-	-	-	-	-	-	-	79-80	80

Trading	Delivery	JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	80-24	75-05	77-02	71-19	75-08	70-26	72-13	70-21	67-30	67-11	79-80	80

December Delivery

Trading	Delivery	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	82	-	-	-	-	74-03	69-25	79-25	72-01	82-16	76-10	84-01	77-10	80	82
80	81	83-09	76-14	76-24	65-19	76-10	68-22	79-25	71-09	83-00	76-20	84-26	77-22	80	81
80	80	83-24	75-23	76-14	64-24	74-00	67-00	79-10	69-05	84-02	77-03	86-13	78-07	80	80
79	81	-	-	-	-	90-29	90-15	90-20	88-23	90-05	88-07	91-17	89-20	79	81
79	80	92-17	90-20	92-14	89-26	91-04	89-25	90-30	88-24	90-13	88-08	92-02	89-23	79	80
79	79	92-17	90-17	92-18	89-26	91-06	89-23	90-31	88-18	90-19	88-03	92-18	89-25	79	79
78	80	-	-	-	-	95-04	94-15	94-17	93-10	93-16	91-27	92-21	91-03	78	80
78	79	-	-	-	-	96-06	94-26	94-22	93-22	93-30	92-09	93-04	91-14	78	79
78	78	98-05	96-08	96-23	95-10	96-26	94-30	95-25	94-11	94-25	93-03	94-10	92-13	78	78
77	78	-	-	-	-	-	-	-	-	-	-	-	-	77	78
77	77	-	-	-	-	-	-	-	-	-	-	-	-	77	77

Trading	Delivery	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	82	80-18	74-25	76-27	73-04	76-10	71-10	75-07	69-00	72-08	68-17	74-07	68-08	80	82
80	81	80-27	74-29	77-00	72-25	75-29	69-30	75-04	68-07	71-30	67-23	74-02	66-31	80	81
80	80	81-20	75-00	77-04	71-04	75-15	68-19	74-24	66-31	70-07	65-20	68-20	63-08	80	80
79	81	91-18	89-13	90-27	88-25	88-22	86-20	86-24	78-16	84-27	79-13	85-11	81-11	79	81
79	80	92-01	89-24	91-10	89-05	89-10	87-00	87-07	78-20	84-30	79-04	85-14	81-17	79	80
79	79	92-16	89-26	91-18	89-08	89-19	87-10	87-20	78-09	82-24	77-23	83-16	79-24	79	79
78	80	92-04	90-12	94-03	91-25	95-27	93-06	94-12	91-10	94-17	92-20	93-28	90-30	78	80
78	79	92-18	90-24	94-23	92-05	95-27	93-10	94-15	91-12	94-15	92-08	93-30	90-28	78	79
78	78	93-14	91-21	95-28	93-01	96-11	93-08	93-30	90-27	93-16	91-20	92-30	90-13	78	78
77	78	-	-	101-31	100-28	102-00	101-05	101-25	100-12	100-25	99-12	100-12	97-30	77	78
77	77	-	-	103-23	102-07	103-18	102-18	103-00	101-03	102-04	100-19	101-24	99-27	77	77

CHICAGO BOARD OF TRADE

Treasury Bond Deliveries Against Futures Commitments (Contracts)

1980

	Mar.	1	June	1	Sept.	1	Dec.	1
1							42	9/18/79
2			79	8/13/79			642	7/31/80
3	205	12/13/79	1	4/18/79			163	8/6/79
4	1,302	2/14/80					72	8/8/80
5	233	2/22/80					73	8/26/80
6	64	2/25/80						
7	126	2/26/80						
8							33	8/28/80
9							845	11/5/80
10	359	2/28/80	400	4/11/80			446	11/10/80
11	99	2/28/80	6	4/16/80			152	11/10/80
12	17	2/28/80	13	4/16/80			478	11/12/80
13	636	3/11/80	10	4/16/80				
14	110	3/11/80						
15							104	11/13/80
16					346	6/5/80	610	11/13/80
17	102	3/11/80	675	5/2/80	14	6/5/80	1	11/13/80
18			4	5/5/80			1	11/13/80
19	46	3/12/80	11	5/5/80	3	6/4/80	81	11/13/80
20	787	3/18/80	34	5/5/80				
21								
22					1	6/4/80	10	11/13/80
23					1	6/4/80		
24	12	3/18/80	357	5/8/80	3	6/4/80	2,002	11/28/80
25	35	3/18/80	10	5/8/80	1	6/4/80		
26	93	3/20/80	31	5/8/80	1	6/4/80		
27			1,055	5/19/80				
28								
29					1	6/4/80	8	11/28/80
30					3,233	9/12/80	2,002	12/18/80
31								
Total	4,226		6,241		3,604		8,365	

[1] Last date into which commodity was assigned.

U.S. TREASURY BOND 8% (1996-01)
Daily Cash – Bid, Ask, Yield
Pts. & 32nd at Par
1980

JANUARY	Bid	Ask	Yield[1]
1	HOLIDAY		
2	80-28	81-12	10.14
3	80-20	80-18	10.25
4	80-20	80-18	10.25
7	79-26	80-10	10.28
8	80-10	80-26	10.22
9	80-70	80-23	10.24
10	80-70	80-23	10.24
11	79-24	80-80	10.28
14	79-11	79-27	10.36
15	79-80	79-24	10.37
16	79-10	79-26	10.36
17	78-22	78-30	10.49
18	78-00	78-80	10.56
21	76-21	76-29	10.77
22	77-30	77-11	10.71
23	77-12	77-20	10.67
24	76-20	76-10	10.86
25	75-17	75-25	10.95
28	74-27	75-30	11.06
29	74-80	74-16	11.15
30	74-40	74-12	11.17
31	74-19	74-27	11.10

FEBRUARY	Bid	Ask	Yield[1]
1	73-22	73-30	11.24
4	72-28	73-40	11.97
5	71-60	71-14	11.69
6	69-24	70-00	11.90
7	71-20	71-10	11.67
8	70-31	71-70	11.68
11	69-21	69-29	11.91
12	HOLIDAY		
13	70-30	70-11	11.84
14	70-40	70-12	11.83
15	68-19	68-27	12.10
18	HOLIDAY		
19	65-10	65-90	12.77
20	65-14	65-23	12.68
21	64-40	64-12	12.95
22	65-24	66-00	12.63
25	64-24	65-00	12.82
26	63-28	64-40	13.00
27	65-00	65-14	12.24
28	68-16	68-24	12.12
29	67-23	67-31	12.25

MARCH	Bid	Ask	Yield[1]
3	N/A		
4	67-60	67-14	12.36
5	67-60	67-14	12.36
6	64-25	65-90	12.77
7	65-17	66-10	12.62
10	67-14	67-30	12.27
11	68-15	68-31	12.07
12	67-90	67-25	12.29
13	68-60	69-22	12.14
14	67-27	68-11	12.19
17	68-80	68-24	12.12
18	69-14	69-30	11.91
19	69-90	69-25	11.93
20	67-23	68-70	12.22
21	67-30	67-19	12.34
24	64-24	65-80	12.78
25	64-25	65-90	12.77
26	65-18	66-20	12.62
27	65-24	66-80	12.58
28	67-10	67-26	12.27
31	67-80	67-24	12.30

APRIL	Bid	Ask	Yield[1]
1	67-60	67-22	12.31
2	67-24	68-80	12.21
3	67-23	68-70	12.22
4	HOLIDAY		
7	N/A		
8	70-28	71-12	11.66
9	71-60	71-22	11.61
10	71-50	71-21	11.62
11	N/A		
14	73-80	73-24	11.28
15	73-14	73-30	11.25
16	78-40	78-20	10.51
17	77-50	77-21	10.68
18	77-20	77-18	10.69
21	77-60	77-22	10.67
22	77-20	77-18	10.69
23	76-18	77-20	10.77
24	75-28	76-12	10.87
25	75-12	75-28	10.94
28	77-22	78-60	10.60
29	77-17	78-10	10.62
30	77-10	77-26	10.65

MAY	Bid	Ask	Yield[1]
1	78-20	79-40	10.47
2	80-80	80-24	10.24
5	81-30	82-90	10.12
6	81-18	82-20	10.06
7	83-10	83-17	9.87
8	81-00	81-16	10.14
9	80-12	80-20	10.26
12	79-30	80-60	10.32
13	80-20	80-28	10.22
14	81-18	81-26	10.10
15	79-28	80-40	10.33
16	79-11	79-19	10.40
19	78-00	78-80	10.60
20	80-60	80-14	10.28
21	80-24	81-00	10.21
22	80-15	80-23	10.24
23	81-27	82-30	10.06
26	HOLIDAY		
27	81-16	81-24	10.10
28	81-80	81-16	10.18
29	80-80	80-16	10.28
30	79-24	80-80	10.34

JUNE	Bid	Ask	Yield[1]
2	79-60	79-14	10.43
3	80-30	81-60	10.18
4	81-30	82-60	10.05
5	81-24	82-80	10.04
6	83-12	83-28	9.82
9	84-24	85-80	9.64
10	83-80	83-24	9.84
11	84-80	84-24	9.72
12	84-26	85-10	9.64
13	86-16	87-00	9.43
16	86-18	87-20	9.42
17	86-10	86-26	9.45
18	85-12	85-28	9.56
19	85-26	86-10	9.52
20	86-70	86-23	9.47
23	84-26	85-10	9.64
24	84-16	85-00	9.68
25	83-28	84-12	9.76
26	82-24	83-80	9.92
27	82-00	82-16	10.01
30	81-26	82-10	10.03

JULY	Bid	Ask	Yield[1]
1	82-60	82-22	9.98
2	81-12	81-28	10.09
3	82-80	82-24	9.97
4	HOLIDAY		
7	80-30	81-14	10.15
8	81-14	81-30	10.08
9	81-14	81-30	10.08
10	80-24	81-80	10.17
11	79-26	80-10	10.30
14	79-26	80-10	10.30
15	80-14	80-30	10.23
16	81-10	81-26	10.10
17	80-24	81-80	10.18
18	80-16	81-00	10.21
21	80-28	81-12	10.16
22	80-18	81-20	10.20
23	80-30	81-14	10.15
24	80-20	81-18	10.27
25	79-10	8026	10.37
28	78-23	80-70	10.46
29	78-24	80-80	10.46
30	77-28	78-12	10.58
31	76-30	77-14	10.72

AUGUST	Bid	Ask	Yield[1]
1	77-20	77-18	10.70
4	77-28	78-12	10.58
5	77-30	78-14	10.57
6	77-40	77-20	10.70
7	77-10	77-26	10.67
8	76-12	76-28	10.80
11	75-20	75-18	11.00
12	75-28	76-12	10.88
13	76-40	76-20	10.84
14	75-28	76-12	10.87
15	75-30	76-14	10.89
18	74-24	75-80	11.06
19	74-50	74-21	11.15
20	74-90	74-25	11.13
21	74-20	74-18	11.16
22	75-20	75-18	11.00
25	74-00	74-16	11.17
26	73-16	74-10	11.20
27	72-20	73-14	11.34
28	72-10	72-17	11.52
29	73-60	73-22	11.33

SEPTEMBER	Bid	Ask	Yield[1]
1	HOLIDAY		
2	N/A		
3	74-10	74-26	11.15
4	74-24	75-80	11.08
5	74-14	74-30	11.13
8	73-25	74-90	11.19
9	74-14	74-30	11.13
10	74-28	75-12	11.07
11	73-30	74-14	11.19
12	73-22	74-60	11.23
15	73-22	74-60	11.23
16	75-25	73-90	11.37
17	72-40	72-20	11.30
18	72-18	73-20	11.41
19	73-18	74-20	11.25
22	71-60	71-22	11.64
23	71-40	71-20	11.65
24	71-40	71-20	11.65
25	70-10	70-26	11.78
26	69-14	69-30	11.94
29	68-24	69-80	12.06
30	70-80	70-24	11.80

OCTOBER	Bid	Ask	Yield[1]
1	70-40	70-20	11.82
2	70-60	70-22	11.81
3	73-20	74-40	11.24
6	73-40	73-20	11.32
7	72-24	73-80	11.38
8	72-60	72-22	11.48
9	73-20	74-40	11.24
10	73-40	73-20	11.32
13	N/A		
14	73-27	74-11	11.22
15	74-10	74-11	11.18
16	73-40	73-20	11.32
17	75-00	75-16	11.98
20	71-27	72-11	11.54
21	71-60	71-22	11.64
22	70-20	70-18	11.83
23	N/A		
24	71-20	71-18	11.67
27	79-60	79-14	12.15
28	68-20	68-18	12.19
29	67-22	68-60	12.24
30	77-12	77-20	12.50
31	67-22	68-20	12.24

NOVEMBER	Bid	Ask	Yield[1]
3	67-26	68-10	12.24
4	ELECTION DAY		
5	66-28	67-12	12.41
6	65-20	66-40	12.65
7	67-30	67-19	12.37
10	66-20	67-40	12.47
11	N/A		
12	N/A		
13	69-12	69-28	11.95
14	67-31	68-15	12.21
17			
18	69-10	69-17	12.02
19	69-20	70-40	11.92
20	78-40	78-12	12.37
21	68-60	68-22	12.17
24	68-14	68-30	12.13
25	68-14	68-30	12.13
26	68-14	68-30	12.13
27	HOLIDAY		
28	N/A		

DECEMBER	Bid	Ask	Yield[1]
1	68-10	68-26	12.15
2	67-14	67-30	12.31
3	67-14	67-30	12.31
4	68-20	68-18	12.20
5	68-26	69-10	12.06
8	68-40	68-20	12.19
9	66-70	66-23	12.54
10	65-13	65-29	12.70
11	63-19	64-30	13.06
12	65-25	66-90	12.63
15	65-28	66-12	12.61
16	65-00	65-16	12.78
17	66-22	67-60	12.45
18	67-80	67-24	12.35
19	69-20	70-40	11.92
22	72-12	72-28	11.45
23	71-80	71-24	11.64
24	71-17	72-10	11.59
25	HOLIDAY		
26	72-44	72-20	11.50
29	71-80	71-24	11.64
30	70-15	70-31	11.78
31	70-11	70-27	11.80

[1] Yield computed in ask quote
Source: Wall Street Journal

U.S. TREASURY BOND 9% (19[illegible]4-01)

Daily Cash – Bid, Ask, Yield
Pts. & 32nd at Par
1980

JANUARY	Bid	Ask	Yield[1]
1	HOLIDAY		
2	89-22	90-60	10.34
3	88-18	89-20	10.50
4	88-18	87-18	10.42
7	88-15	88.31	10.51
8	88-29	89-13	10.45
9	88-26	89-10	10.47
10	88-26	89-10	10.47
11	88-16	89-00	10.51
14	88-10	88-26	10.54
15	88-80	88-24	10.55
16	88-90	88-25	10.53
17	87-22	88-60	10.65
18	87-20	87-18	10.75
21	85-26	86-10	10.92
22	86-13	86-29	10.85
23	86-24	87-80	10.79
24	85-18	86-20	10.97
25	85-80	85-24	11.01
28	84-18	85-20	11.13
29	84-20	84-18	11.21
30	84-00	84-16	11.22
31	84-14	84-30	11.15

FEBRUARY	Bid	Ask	Yield[1]
1	83-20	84-40	11.28
4	82-30	83-14	11.39
5	81-60	81-22	11.69
6	80-40	80-20	11.87
7	81-40	81-20	11.70
8	80-16	81-00	11.81
11	79-29	80-13	11.92
12	HOLIDAY		
13	79-30	80-14	11.90
14	79-30	80-14	11.91
15	78-15	79-31	12.17
18	HOLIDAY		
19	75-14	75-30	12.73
20	75-14	75-30	12.73
21	74-30	75-14	12.82
22	74-30	75-14	12.82
25	74-80	74-24	12.96
26	73-40	73-20	13.18
27	73-10	73-26	13.14
28	76-40	76-20	12.60
29	76-80	76-24	12.58

MARCH	Bid	Ask	Yield[1]
3	N/A		
4	75-18	76-20	12.70
5	75-18	76-20	12.70
6	74-10	74-26	12.94
7	75-60	75-22	12.78
10	76-26	77-10	12.47
11	77-22	78-60	12.31
12	76-22	77-60	12.50
13	76-26	77-10	12.48
14	77-15	77-31	12.36
17	77-14	77-30	12.36
18	77-28	78-12	12.28
19	77-31	78-15	12.27
20	76-27	77-11	12.48
21	76-00	76-16	12.64
24	73-26	74-10	13.05
25	73-25	74-90	13.06
26	74-20	74-18	13.00
27	74-16	75-00	12.92
28	76-60	76-22	12.60
31	76-60	76-22	12.60

APRIL	Bid	Ask	Yield[1]
1	76-00	76-16	12.63
2	76-70	76-23	12.59
3	76-26	77-10	12.48
4	HOLIDAY		
7	N/A		
8	79-60	79-22	12.05
9	79-26	80-10	11.94
10	79-23	80-70	11.96
11	N/A		
14	81-28	82-12	11.59
15	81-30	82-14	11.58
16	85-28	86-12	10.93
17	85-15	85-31	10.84
18	85-25	86-90	10.95
21	86-15	86-31	10.84
22	86-15	86-31	10.69
23	85-24	86-80	10.95
24	85-20	85-18	11.06
25	84-30	85-14	11.08
28	86-16	87-00	10.84
29	86-18	87-20	10.83
30	86-17	87-10	10.84

MAY	Bid	Ask	Yield[1]
1	87-30	88-14	10.77
2	89-60	89-22	10.43
5	89-29	90-13	10.32
6	91-12	91-28	10.11
7	91-23	92-70	10.06
8	90-18	91-16	10.16
9	89-27	90-30	10.37
12	89-20	89-28	10.40
13	90-30	90-11	10.33
14	90-19	90-27	10.26
15	89-20	89-28	10.40
16	89-60	89-14	10.47
19	80-00	88-80	10.65
20	89-20	89-28	10.40
21	90-10	90-18	10.28
22	90-12	90-20	10.29
23	91-26	92-20	10.08
26	HOLIDAY		
27	91-14	91-22	10.14
28	90-28	91-40	10.22
29	90-20	90-10	10.34
30	90-60	90-14	10.32

JUNE	Bid	Ask	Yield[1]
2	89-16	89-24	10.42
3	90-00	90-80	10.34
4	90-22	90-30	10.24
5	91-12	91-28	10.11
6	92-30	93-14	9.89
9	93-24	93-30	9.81
10	92-26	93-10	9.90
11	93-10	93-26	9.82
12	94-16	95-00	9.67
13	95-22	96-60	9.50
16	95-28	96-12	9.48
17	95-24	96-80	9.49
18	95-20	95-18	9.58
19	95-14	95-30	9.54
20	95-20	96-40	9.51
23	94-22	95-60	9.64
24	94-10	94-26	9.69
25	93-10	93-26	9.83
26	92-27	93-11	9.89
27	91-25	92-90	10.04
30	91-80	91-24	10.13

JULY	Bid	Ask	Yield[1]
1	90-26	91-10	10.20
2	90-16	91-00	10.24
3	91-12	91-28	10.11
4	HOLIDAY		
7	90-16	91-00	10.22
8	90-10	90-18	10.31
9	90-24	91-00	10.24
10	90-80	90-16	10.31
11	89-14	89-22	10.43
14	89-14	89-22	10.43
15	90-20	90-10	10.35
16	90-30	91-60	10.21
17	90-12	90-20	10.30
18	90-14	90-22	10.29
21	90-22	90-30	10.26
22	90-19	90-27	10.27
23	90-19	90-27	10.27
24	90-30	90-11	10.33
25	89-14	89-22	10.45
28	88-31	89-70	10.51
29	88-24	89-00	10.54
30	88-10	88-18	10.60
31	86-25	87-10	10.85

AUGUST	Bid	Ask	Yield[1]
1	86-19	86-27	10.88
4	87-10	87-90	10.81
5	87-12	87-20	10.76
6	86-13	86-21	10.82
7	86-23	86-31	10.86
8	85-28	86-40	11.00
11	84-29	85-50	11.15
12	85-11	85-19	11.08
13	85-10	85-18	11.04
14	85-24	86-00	11.02
15	85-30	86-60	10.99
18	85-00	85-80	11.14
19	84-13	84-21	11.23
20	84-10	84-18	11.25
21	84-30	84-11	11.29
22	84-28	85-40	11.16
25	83-24	84-00	11.35
26	83-15	83-23	11.40
27	82-11	82-19	11.50
28	80-25	81-10	11.84
29	82-18	82-26	11.55

SEPTEMBER	Bid	Ask	Yield[1]
1	HOLIDAY		
2			
3	83-12	83-20	11.41
4	84-18	84-26	11.21
5	84-00	84-80	11.31
8	83-12	83-20	11.41
9	84-40	84-12	11.29
10	84-40	84-12	11.29
11	83-16	83-24	11.39
12	83-14	83-22	11.40
15	83-14	83-22	11.40
16	82-40	82-12	11.63
17	82-40	82-12	11.62
18	82-10	82-18	11.60
19	83-20	83-10	11.47
22	81-20	81-10	11.81
23	81-18	81-26	11.73
24	81-18	81-26	11.73
25	80-12	81-20	11.94
26	79-26	80-20	12.04
29	79-10	79-18	12.13
30	80-40	80-12	11.98

OCTOBER	Bid	Ask	Yield[1]
1	80-80	80-16	11.96
2	80-80	80-16	11.95
3	82-30	83-60	11.49
6	83-80	83-16	11.45
7	83-60	83-14	11.45
8	82-14	82-22	11.58
9	83-10	83-18	11.43
10	83-20	83-10	11.47
13	N/A		
14	83-14	83-22	11.40
15	83-25	84-10	11.35
16	82-30	83-60	11.50
17	78-20	78-18	12.53
20	81-30	82-60	11.67
21	81-10	81-18	11.77
22	80-26	81-20	11.86
23	N/A		
24	79-40	79-23	11.76
27	69-00	69-16	12.02
28	78-70	78-15	12.33
29	77-22	77-30	12.43
30	67-80	67-24	12.34
31	77-24	78-00	12.43

NOVEMBER	Bid	Ask	Yield[1]
3	77-24	78-00	12.43
4	ELECTION DAY		
5	77-80	77-16	12.52
6	75-20	75-28	12.83
7	76-12	76-20	12.69
10	76-40	76-12	12.73
11	N/A		
12	N/A		
13	78-40	78-12	12.36
14	77-10	77-90	12.57
17	N/A		
18	77-28	78-40	12.40
19	78-18	78-26	12.28
20	69-10	69-26	11.97
21	76-28	77-40	12.60
24	76-22	77-30	12.63
25	76-22	77-30	12.63
26	77-10	78-18	12.52
27	HOLIDAY		
28	77-10	78-18	12.52

DECEMBER	Bid	Ask	Yield[1]
1	77-10	78-18	12.55
2	76-30	76-16	12.72
3	76-60	76-76	12.72
4	75-12	76-20	12.70
5	76-26	77-20	12.61
8	76-19	76-27	12.66
9	75-90	75-17	12.91
10	74-20	74-28	13.04
11	72-28	73-40	13.40
12	74-80	74-16	13.12
15	74-40	74-12	13.14
16	73-13	73-21	13.29
17	74-14	74-22	12.88
18	76-00	76-80	12.77
19	77-30	78-60	12.41
22	78-60	78-14	11.94
23	79-12	79-20	12.24
24	78-23	78-31	12.26
25	HOLIDAY		
26	79-12	79-20	12.14
29	79-12	79-20	12.14
30	78-31	79-70	12.22
31	78-20	78-28	12.28

[1] Yield computed in ask quote
Source: Wall Street Journal

Section 3
Commercial Paper Futures

Commercial Paper futures are recent additions to the Board of Trade's financial market. The cash market for commercial paper is a primary source of funding for large corporations seeking short term funds. Commercial paper is short term promissory notes, issued in bearer form, with maturities ranging from 5 to 270 days. This means that the promise to pay the stated amount is to the bearer; the buyer therefore may sell the paper to another for a mutually agreeable price. Deliverable commercial paper can be delivered against Board of Trade contracts only by companies with the highest credit ratings. Service such as Moody's and Standard and Poor's rate such corporations issuing commercial paper.

Today commercial paper is used widely by corporations to meet short-term financing needs. Currently over $129 billion in commercial paper is outstanding, demonstrating the importance of this market to the financial community. Futures markets in commercial paper have been developed as an addition to the interest rate futures complex to cover the entire yield curve. In addition, they are sensible responses to the needs of these corporations for interest rate risk management tools.

The two commercial paper futures contracts have some important differences. The basic trading unit for 30-Day Commercial paper futures is $3 million, while the basic unit for 90-Day Commercial Paper is $1 million. For the 90-Day contract, commercial paper issued by 40 companies is deliverable against Board of Trade contracts. For 30-Day futures, commercial paper issued by four companies is deliverable. Both contracts are quoted on an index system (i.e., the difference between the actual commercial paper discount and 100). The deliverable grade is Prime commercial paper rated P-1 by Moody's Investor Service and A-1 by Standard and Poor's. Maturity cannot be more than 30 days or 90 days from the date of delivery for the respective contracts. The minimum price fluctuation is 1/100 of 1% or $25 per contract. The 90-Day Commercial paper contract began trading in September of 1977; the 30-Day contract followed in May of 1979.

COMMERCIAL PAPER LOANS – 90 DAY

Trading Conditions

1901.00 Authority
1902.01 Application of Regulation
1904.01 Unit of Trading
1905.01 Months Traded In
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1907.01 Hours of Trading
1908.01 Trading Limits
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1909.01 Last Day of Trading
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1912.01 Reportable Positions

Delivery Procedures

1936.01 Standards
1936.02 Approved Commercial Paper
1942.01 Deliveries on Futures Contracts
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1950.00 Duties of Members
1951.01 Office Deliveries Prohibited
1954.00 Failure to Accept Delivery
1956.01 Charges

Regularity of Vaults

1980.01 Duties of Vault Operators
1981.01 Conditions of Regularity
1984.01 Revocation of Regularity
1985.01 Application for Declaration of Regularity
1986.01 Regular Depository Vaults

* These Rules and Regulations were current as of January 1, 1981 when this book went to press. Since amendments are often made to these rules, please contact the Chicago Board of Trade or a firm which is a member of the Chicago Board of Trade before relying on the rules and regulations published in this book.

COMMERCIAL PAPER LOANS – 90 DAY

Trading Conditions

1901.00 Authority–(See 1701.00 in GNMA-CDR Section.)

1902.01 Application of Regulation–Transactions in commercial paper loan futures shall be subject to the general rules of the Association as far as applicable, and shall also be subject to the regulations contained in this chapter which are exclusively applicable to trading in commercial paper loans.

1904.01 Unit of Trading–The unit of trading for commercial paper loans shall be $1,000,000 (one million dollars), face value on multiples thereof.

1905.01 Months Traded In–Trading in commercial paper loans may be conducted in any months as determined by the Financial Instruments Committee or the Board.

1906.01 Prices Basis–The price basis for commercial paper loans shall be made in multiples of one one-hundredth (1/100th) of one percent of one million dollars on a 90 day basis ($25.00 per contract). Contracts shall not be made on any other price basis.

1907.01 Hours of Trading–The hours of trading for future delivery in 90-Day Commercial Paper shall be determined by the Board. On the last day of trading in an expiring future, the closing time for such future shall be 12:00 noon subject to the provision of the second paragraph of Rule 1007.00. The market shall be opened and closed with a public call made month by month, conducted by such persons as the Pit Committee or the Board shall direct.

1909.01A Trading Limits–(See 1708.01A in GNMA-CDR Section.)

1909.02 Liquidation in the Last Seven Days of the Delivery Month–After trading in contracts for future delivery in the current delivery month has ceased in accordance with Regulation 1909.01 of this chapter, outstanding contracts, may be liquidated by the delivery of financial receipts, (Regulation 1944.01), or by mutual agreement by means of a bona fide exchange of such current futures for the actual commercial paper or comparable instruments. Such exchange must, in any event, be made no later than the fifth business day immediately preceding the last business day of the delivery month.

1910.01 Margin Requirements–Margin requirements shall be determined by the Board of regulation. (See 1710.01 in GNMA-CDR Section.)

1912.01 Reportable Positions–A position of 50 or more contracts, long or short in any future whether owned or controlled or carried for any member, either alone or in conjunction with any other person, shall be a reportable position. Every member, or partnership, or corporation for which a membership is registered under Rule 230.00, shall report each and every reportable position to the Office or Investigations and Audits at such times and in such form and manner as shall be prescribed by the Business Conduct Committee. The word "member" shall be construed to import the plural or singular and shall include individuals, associations, partnerships, corporations and trusts having any privilege or membership in the Board of Trade of the City of Chicago.

Delivery Procedures

1936.01 Standards–The contract grade for delivery on futures contracts made under these regulations shall be commercial paper rated A-1 by Standard & Poor's Corporation and Prime-1 by Moody's Investors Service Inc., and approved by the Board or a Committee authorized by the Board as delivery grade on the date of delivery and maturing on a business day not more than 90 days from the date of delivery. Commercial paper which matures on a non-business day is not deliverable. All contract grade commercial paper must be payable at maturity in available funds using as paying agent a federal or state chartered bank with capital (capital, surplus and undivided earnings), in excess of $100,000,000 located in the immediate vicinity of the Exchange.

1936.02 Approved Commercial Paper–The following corporations' issues of Commercial Paper are approved as deliverable under the Chicago Board of Trade's 90-Day Commercial Paper Loan futures contract:

- American Express Credit Corp.
- Associates Corp. of North America
- Bell Telephone Co. of Pennsylvania

- Chesapeake & Potomac Telephone Co. (Washington, D.C.)
- Chesapeake & Potomac Telephone Co. of Maryland
- Chesapeake & Potomac Telephone Co. of Virginia
- Chesapeake & Potomac Telephone Co. of West Virginia
- Cincinnati Bell Inc.
- C.I.T. Financial Corp.
- Commercial Credit Co.
- Diamond State Telephone
- E.K. Du pont De Nemours & Co.
- Ford Motor Credit Co.
- General Electric Co.
- General Electric Credit Corp.
- General Motors Acceptance Corp.
- Gulf Oil Corp.
- Walter E. Heller & Co.
- Household Finance Corp.
- Illinois Bell Telephone Co.
- Indiana Bell Telephone Co., Inc.
- Kraft, Inc.
- Merrill Lynch & Co., Inc.
- Michigan Bell Telephone Co.
- Mobil Oil Corp.
- Mountain States Telephone & Telegraph Co.
- New Jersey Bell Telephone Co.
- New York Telephone Co.
- Northwestern Bell Telephone Co.
- Ohio Bell Telephone Co.
- Pacific Northwest Bell Telephone Co.
- J. C. Penny Financial Corp.
- Sears Roebuck Acceptance Corp.
- Shell Oil Co.
- South Central Bell Telephone Co.
- Southern Bell Telephone & Telegraph Co.
- Southwestern Bell Telephone Co.
- Standard Oil Co. of California
- Western Electric Co.
- Wisconsin Telephone Co.

Delivery Procedures

1936.01 Standards—The contract grade for delivery on futures contracts made under these regulations shall be commercial paper rated A-1 by Standard & Poor's Corporation and Prime-1 by Moody's Investors Service Inc., and approved by the Board or a Committee authorized by the Board as delivery grade on the date of delivery and maturing on a business day not more than 90 days from the date of delivery. Commercial paper which matures on a non-business day is not deliverable. All contract grade commercial paper must be payable at maturity in available funds using as paying agent a federal or state chartered bank with capital (capital, surplus and undivided earnings), in excess of $100,000,000 located in the immediate vicinity of the Exchange. 4001

1936.02 Approved Commercial Paper—(See Appendix 19A)

1942.01 Deliveries on Futures Contracts—Deliveries against Commercial Paper futures contracts shall be by financial receipts (Regulation 1944.01), issued by vaults designated by the Board as regular vaults for the storage of Commercial Paper. Delivery must be made no later than the last business day of the month. Notice of intention to deliver shall be given to the Board of Trade Clearing Corporation by 8:00 p.m. on the second business day preceding delivery day; except that, if delivery is to be made on the last business day of the month, notice of intention to deliver may be given to Clearing Corporation until 2:00 p.m. on the business day preceding delivery day (Regulation 1049.01).

The short shall invoice the long for one million dollars (1,000,000) face value on the basis of one-fourth (1/4) of the annualized discount rate on the day (Position Day) on which notice of intention to deliver is given (Regulation 1049.01). The annualized discount rate is calculated as one hundred minus the settlement price.

All deliveries must be assigned by the Clearing Corporation. Where a commission house as a member of the Clearing Corporation has an interest both long and short

for customers on its own books, it must tender to the Clearing Corporation such notices of intention to deliver as it received from its customers who are short. 4011

1942.03 Endorsements—In order to effect a valid delivery each receipt must be endorsed by the regular vault (Regulation 1980.01) and by the holder making delivery. Endorsement by the regular vault shall constitute a warranty of the genuineness of the financial receipt. Endorsement by the holder making delivery shall constitute a warranty of good title to the financial receipt. 4015

1943.02 Deposit of Commercial Paper with Vaults—Commercial paper must be ordered into regular vault by a clearing member of the Association. 4017

1944.01 Financial Receipt Format—Each financial receipt shall represent the deposit with a regular depositary vault of not more than one distinct contract grade instrument with a face value of one million dollars ($1,000,000) and shall be in the following form:

Bearer Receipt No. _____ Chicago, Illinois, _____ 19 ____

BOARD OF TRADE OF THE CITY OF CHICAGO

FINANCIAL RECEIPT FOR DELIVERY IN SATISFACTION OF A CONTRACT FOR FUTURE DELIVERY OF COMMERCIAL PAPER

Delivery Procedures

RECEIVED FROM (hereinafter called "the Depositor") and store at the above address in the vaults of the undersigned (hereinafter called "the vault") as a bailee, subject to the provisions of Article 7 of the Illinois Uniform Commercial Code and the terms and conditions stated hereon, one instrument (hereinafter called "the instrument"), in the face amount of $1,000,000 and made payable to bearer, identified as follows:

Issuer	Serial No.	Issue Date	Maturity Date

This financial receipt shall not be deliverable in satisfaction of a contract for future delivery either (i) prior to 90 days before the above maturity date of the instrument or (ii) subsequent to such maturity date.

The above identification of the instrument has been recorded by the Vault solely on the basis of the information appearing on the face of the Instrument. THE VAULT HAS NOT ASCERTAINED, AND SHALL NOT BE RESPONSIBLE FOR, THE GENUINENESS, VALIDITY, COLLECTIBILITY, WORTH OR ANY ALTERATION OF, OR TITLE TO, THE INSTRUMENT.

This financial receipt is being issued by the Vault, at the request of the Depositors pursuant to the Rules and Regulations of the Board of Trade of the City of Chicago ("the Board") and in reliance on the Board's list of contract grade commercial paper available to the Vault at the time of the issuance hereof, in order to facilitate deliveries against commercial paper future contracts entered into on the Board. In receiving and holding the instrument hereunder, and issuing this financial receipt, the Vault is performing solely certain custodial and record-keeping functions which do not extend in any respect to matters involving the credit of the issuer named above or the rendering of financial or investment advice to the Board, to the Depositor, or to any other holder of this financial receipt.

The Vault may, five (5) days prior to the maturity date of the instrument or at any time thereafter, at its sole option, present the instrument for payment to the issuer named above or to such issuer's paying agent; but the Vault shall be under no obligation to do so or to pay any interest on any funds so collected by it or on any funds otherwise at any time received by it as proceeds of the instrument.

The Instrument in the form received by the Vault or any such funds collected or received by the Vault are deliverable at the Vault's address shown hereon to the bearer of this financial receipt upon the surrender to the Vault of this financial receipt, with its registration with the Board cancelled, subject, however, to the Vault's right to receive at least one business day's advance written notice of any desired withdrawal of the Instruments or such funds and subject further to any unavailability thereof while in the process of collection; it being understood that the Vault shall have no duty or obligation to the Depositor or to any other holder from time to time of this financial receipt other than to hold and deliver the Instrument or any such funds in accordance

with the terms and conditions hereof, and that, in issuing or endorsing this financial receipt or making any delivery of the instrument, the Vault shall not be deemed to make any representations or warranties whatsoever, express or implied, with respect to the Instrument except only that in issuing this financial receipt, the Vault represents that the information appearing on the face of this Instrument is as described above. If the bearer hereof shall request that the Vault deliver the Instrument or any such funds to any other person or account, any such delivery shall be at the bearer's sole risk and expense.

_____
Vault

By _____

Registration

Date _____ Registrar's Number _____

_____
Registrar for Financial Receipts, Board of Trade of the City of Chicago

Delivery Procedures

Cancellation of Registration

Date _____ Registrar's Number _____

ENDORSEMENTS

In order to effect a valid delivery in satisfaction of a contract for future delivery, this financial receipt must be endorsed below by the Vault and by the holder making such delivery. By its endorsement below, the Vault shall warrant solely the genuineness of its signature on the face of this financial receipt, and shall not be deemed to make any other representations or warranties whatsoever, express or implied, with respect to this financial receipt or the instruments described herein. Endorsement by the holder making delivery shall constitute a warranty of good title to this financial receipt.

Date	Holder Making Delivery	Date	Vault

4016

1946.01 Date of Delivery—Delivery of financial receipts may be made by the short upon any permissible delivery day of the delivery month the short may select. Delivery of financial receipts must be made no later than the last business day of the month. 4012

1947.00 Delivery Notice—(See 1747.00 in GNMA-CDR Section)

1947.01 Delivery Notices—(See 1747.01 in GNMA-CDR Section)

1948.00 Method of Delivery—(See 1748.00 in GNMA-CDR Section)

1949.00 Time of Delivery, Payment, Form of Delivery Notice—(See 1749.00 in GNMA-CDR Section)

1949.02 Sellers' Invoices to Buyers—Upon determining the buyers obligated to accept deliveries tendered by issuers of delivery notices, the Clearing House shall promptly furnish each issuer the names of the buyers obligated to accept delivery from him and a description of each commodity tendered by him which was assigned by the Clearing House to each such buyer. Thereupon, sellers (issuers of delivery notices) shall prepare invoices addressed to their assigned buyers, describing the documents to be delivered to each such buyer. Such invoices shall show the amount which buyers must pay to sellers in settlement of the actual deliveries, based on the delivery prices established by the Clearing House, and adjusted for applicable interest payments. Such invoices shall be delivered to the Clearing House by 2:00 p.m. on the day of intention, except on the last intention day of the month, where such invoices shall be delivered to the Clearing House by 3:00 p.m. Upon receipt of such invoices, the Clearing House shall promptly make then available to buyers to whom they are ad-

dressed, by placing them in buyers' mail boxes provided for that purpose in the Clearing House.

1949.04 Payment—All payments shall be in accordance with Regulation 1049.04 and shall be in U.S. currency. 4013

1950.00 Duties of Members—(See 1750.00 in GNMA-CDR Section)

1951.01 Office Deliveries Prohibited—(See 1751.01 in GNMA-CDR Section)

1954.00 Failure to Accept Delivery—(See 1754.00 in GNMA-CDR Section)

1956.01 Charges—The party depositing commercial paper in a regular vault against issuance of a financial receipt shall pay (to the regular vault) all charges associated with the financial receipt before issuance of the receipt. 4014

Regularity of Vaults

1980.01 Duties of Vault Operations—It shall be the duty of the operators of all regular vaults:

(a) To accept commercial paper for delivery on Chicago Board of Trade contracts, provided such commercial paper is ordered into the vault by a Clearing Member of the Association.

(b) To notify the Board of Trade of any change in the financial or other condition of their vaults.

(c) To release to the bearer of the receipt the commercial paper covered by said receipt upon presentation of the cancelled receipt no later than the business day following compliance with these provisions.

(d) To keep in safekeeping in commercial paper represented by the financial receipt. 4019

1981.01 Conditions of Regularity—Persons operating depositary vaults who desire to have such vaults made regular for delivery of commercial paper under the Rules and Regulations shall make application for Declaration of Regularity on a form prescribed by the Board for a term expiring the next succeeding June 30. Regularity shall be effective 30 days after all terms and conditions have been met and notice to that effect has been posted on the bulletin board of the Association. Applications for renewal of regularity must be made prior to June 15 in each year for the year beginning July 1, and shall be on the same form. The following shall constitute the requirements and conditions for regularity:

(1) The Board shall cause the vault making application to be inspected.

(2) The operator of such vault must be a U.S. Bank (either federal or state charter) or a corporation that acts in a fiduciary capacity with capital (capital, surplus and undivided earnings) in excess of $100,000,000. The Board may require the operator of the vault to file a bond with sufficient sureties in such sum and subject to such conditions as the Board sees fit.

(3) Such vault shall be provided with standard equipment and appliances for the convenient and safe storage of commercial paper and provide for proper security.

(4) The operator of such vault shall cooperate with the system of registration of receipts and furnish of the Registrar of such receipts all needed information to enable him to keep a correct record and account of all commercial paper received and delivered by them daily and of that remaining in store at the close of each week.

(5) The operator of such vault shall accord every facility to any duly authorized committee for examination of its books or records for the purpose of ascertaining the stocks of commercial paper. The Board shall have the authority to employ experts to determine the quantity and quality of commercial paper in said vault and to compare the books and records of said vault with the records of the Official Registrar of financial receipts.

(6) No vault shall be deemed suitable to be declared regular if its location, accessibility, tariffs, or other qualifications shall depart from uniformity to the extent that its receipts as tendered in satisfaction of futures contracts impair the efficacy of futures trading in this market, or if the operator of such vault engages in unethical or inequitable practices, and may be deemed unsuitable if the operator fails to comply with any laws, Federal or State, or Rules or Regulations promulgated under those laws.

(7) The operator shall make such reports, keep such records, and permit such vault visitation as the Board of Trade may prescribe, and shall comply with all applicable Rules and Regulations.

(8) Vaults must be located in the United States.

(9) Vault operator shall maintain, in the immediate vicinity of the Exchange, either an office, or a correspondent bank approved by the Exchange, where owners of financial receipts may surrender financial receipts in exchange for commercial paper. 4020

1984.01 Revocation of Regularity—Any regular vault may be declared by the Board to be irregular at any time if it does not comply with the conditions above set forth, or fails to carry out its prescribed duties. If the designation of a vault as regular shall be revoked by the Board, the Board shall announce such revocation on a bulletin board and also the period of time, if any, during which the receipts issued by such vault shall thereafter be deliverable in satisfaction of futures contracts in commercial paper. 4021

AGREEMENTS OF VAULT

The Vault expressly agrees:

(1) that all financial receipts shall be registered with the Registrar of the Exchange.

(2) in the event of revocation of expiration of regularity, to bear the expense of the transfer of commercial paper to another regular vault satisfactory to the holders of its financial receipts.

(3) not to withdraw as a regular vault during the life of this Declaration of Regularity except after sixty (60) days notice to the Exchange for having obtained the consent of the Exchange.

(4) to notify the Exchange at least (60) days in advance of any changes in its handling charges as shown in the attached schedule.

(5) to maintain, in the immediate vicinity of the Exchange, either an office, or a correspondent bank approved by the Exchange, where owners of financial receipts may surrender financial receipts in exchange for commercial paper.

Submitted herewith is a specimen of the Vault's proposed financial receipt.

_____

_____ By _____

Date

This application is recommended by the Financial Instruments Committee of the Board of Trade of the City of Chicago.

_____ _____

Date Financial Instruments Committee Chairman

This application is approved and a Declaration of Regularity is hereby granted.

Board of Trade of the City of Chicago

By _____

Chairman of the Board

_____ By _____

Secretary

1986.01 Regular Depository Vaults—Following is a listing of the vaults approved for the storage of Commercial Paper as of April, 1979:

- American National Bank and Trust Company of Chicago
- Continental Illinois National Bank and Trust Company of Chicago
- The First National Bank of Chicago

1985.01 Application for Declaration of Regularity—All applications by operators of vaults for a Declaration of Regularity under Regulation shall be in the following form:

APPLICATION FOR A DECLARATION OF REGULARITY FOR THE STORAGE OF COMMERCIAL PAPER UPON CONTRACTS FOR FUTURE DELIVERY OF 90-DAY COMMERCIAL PAPER UNDER THE CHARTER, RULES AND REGULATIONS OF THE BOARD OF TRADE OF THE CITY OF CHICAGO

Board of Trade of the City of Chicago
141 West Jackson Boulevard
Chicago, Illinois 60604

Gentlemen:

_____ (hereinafter called Vaults),

located at _____

and incorporated under the laws of _____

does hereby make application to the Board of Trade of the City of Chicago for a Declaration of Regularity to handle, receive and store such instruments that qualify for future delivery of commercial paper for a period beginning _____

and ending midnight June 30, 19____

CONDITIONS OF REGULARITY

Such Declaration of Regularity if granted, shall be cancellable by the Board of Trade of the City of Chicago hereafter referred to as the "Exchange" whenever the following conditions shall not be observed:

1. The Vault must:
   (1) give such bonds to the Exchange as may be reasonably required by the Board of Directors thereof.
   (2) notify the Exchange promptly of any material change in ownership, financial or other conditions of its premises.
   (3) make such reports, keep such records, and permit such inspections as the Exchange may reasonably prescribe.
   (4) comply with all applicable Rules and Regulations of the Exchange; and comply with all requirements of the Exchange permitted or required by such Rules and Regulations.
2. The Vault must be:
   (1) Located within the United States.
   (2) properly safeguarded and equipped to provide safe and convenient storage of commercial paper.

Comml Paper Futures Prices

Open, High, Low and Close

Index

March 1980

Jan	Open		High	Low	Close	
1	HOLIDAY					
2	86.97		86.97	86.77	86.77	
3	86.52		86.90	86.52	86.84	86.90
4	86.90		87.03	86.75	86.80	
7	86.66		86.95	86.66	86.89	
8	87.10		87.39	87.08	87.39b	
9	87.30		87.84	87.29	87.75	87.84
10	87.79		88.14h	87.79	88.10	
11	87.96		87.96	87.60	87.60a	
14	87.55	87.54	87.55	87.39	87.44	
15	87.54		87.70	87.50	87.52	
16	87.50		87.72	87.50	87.70	
17	87.85		87.95	87.52	87.60	87.55
18	87.43		87.50	87.36	87.43	
21	87.35		87.35	87.08	87.15	
22	87.26		87.49	87.19	87.48	87.49
23	87.48		87.65	87.42	87.58	87.51
24	87.35		87.38	87.10	87.16	87.18
25	86.85		87.00	86.68	86.76	
28	86.85		86.99	86.83	86.84	
29	86.74		86.74	86.50	86.50	
30	86.50		86.75	86.49L	86.57	
31	86.75		86.88	86.59	86.60	

June 1980

Jan	Open		High	Low	Close	
1						
2	88.24		88.24	88.12	88.12	
3	87.85		88.35	87.79	88.28	88.35
4	88.28		88.33	88.15	88.21	
7	88.12		88.33	88.12	88.31a	
8	88.43		88.81	88.43	88.81	
9	88.71		89.05	88.71	89.05	
10	89.07		89.22h	89.07	89.17	89.16
11	88.93		88.93	88.67	88.67a	
14	88.58		88.63	88.40	88.49	
15	88.60		88.74	88.58	88.58	
16	88.50		88.80	88.50	88.80	
17	88.98		88.98	88.76	88.76	
18	88.50		88.61	88.50	88.59a	
21	88.30		88.35	88.21	88.30a	
22	88.40		88.53	88.29	88.53b	
23	88.53		88.66	88.49	88.61	
24	88.35		88.40	88.15	88.20	88.23
25	87.86		87.87	87.71	87.71a	
28	87.70		87.77	87.68	87.70	
29	87.54		87.57	87.20	87.20a	
30	87.10		87.45	87.10L	87.30	87.31
31	87.65		87.65	87.25	87.31b	

September 1980

Jan	Open		High	Low	Close	
1						
2	89.45		89.45	89.38	89.38b	
3	89.10		89.29	88.88	89.29b	
4	89.30		89.30	89.15	89.25b	
7	89.27		89.40	89.24	89.40	
8	89.41		89.80	89.39	89.80b	
9	89.90		90.15h	89.90	90.15	
10	90.00		90.10	90.00	90.10	
11	89.75		89.83	89.60	89.60a	
14	89.49		89.49	89.39	89.39a	
15					89.40b	89.50a
16	89.60		89.65	89.60	89.65b	
17					89.65b	89.68a
18	89.34		89.41	89.34	89.34a	
21	89.11		89.11	88.84	88.97a	
22	89.00		89.17	88.85	89.17b	
23	89.15		89.25	89.15	89.21	
24	89.03		89.03	88.74	88.74	
25	88.45		88.45	88.24	88.24	88.24a
28	88.18		88.26	88.18	88.23a	
29	88.15		88.15	87.73L	87.73a	
30	87.79		87.85	87.73	87.81a	
31	87.87		88.05	87.79	87.79a	

December 1980

Jan	Open		High	Low	Close	
1	HOLIDAY					
2					89.60a	
3					89.10b	89.40a
4					89.25b	89.45a
7					89.45b	
8					89.75b	
9					89.95b	90.00a
10					90.30a	
11					89.80a	
14					89.75a	
15					89.75b	
16					89.85b	
17					89.85b	
18	89.85		89.85h	89.78	89.78a	
21					89.[illegible]n	
22					89.60b	
23					89.55b	89.70a
24					89.25a	
25					89.08a	
28	88.90		88.90	88.90L	88.90	
29					88.60a	
30					88.60a	
31					88.80b	88.83a

March 1981

Jan	Open		High	Low	Close	
1						
2					89.60a	
3					89.40a	
4					89.25b	89.45a
7					89.45b	
8					89.75b	
9					89.95b	90.00a
10					90.40a	
11					89.90a	
14					89.80a	
15					89.80b	
16					89.90b	
17					89.90b	
18					89.83a	
21					89.57a	
22					89.65b	
23					89.50b	89.65a
24					89.25a	
25					89.20a	
28					89.20a	
29					88.70a	
30					88.60a	
31					88.80a	

Comml Paper Volume Of Sales

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
1	HOLIDAY					
2	37	7	2			46
3	35	17	14			66
4	40	8	9			57
7	33	22	4			59
8	86	10	10			106
9	77	22	5			104
10	89h	23	9			121h
11	41	7	1L			49
14	26	17	20			63
15	53	11				64
16	48	15	1			64
17	76	8				84
18	40	4L	9	2h		55
21	32	10	22			64
22	50	9	4			63
23	50	22	24h			96
24	58	31h	2			91
25	69	14	6			89
28	20L	7	6	1L		34L
29	74	9	2			85
30	67	18	11			96
31	57	20	17			94
Total	1,158	311	178	3		1,650

Comml Paper Open Contracts

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
1	HOLIDAY					
2	306	166	61			533
3	324	176	64			564
4	331h	178h	64			573h
7	297	174	63			534
8	310	170	67h			547
9	305	167	67			539
10	293	173	66			532
11	273	170	66			509
14	273	171	53			497
15	264	167	53			484
16	262	166	52			480
17	265	166	52			483
18	265	166	55			486
21	265	167	52			484
22	274	167	51			492
23	269	177	49L			495
24	261	171	50			482
25	255L	164	50			469L
28	255	161L	53	1h		470
29	261	162	[illegible]	1		478
30	263	166	[illegible]	1		489
31	265	168	64	1		498

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
Index

March 1980

Feb	Open		High	Low	Close	
1	86.45		86.65	86.39	86.41	86.43
4	86.35		86.64	86.35	86.57	86.56a
5	86.53		86.53	86.40	86.50b	
6	86.35		86.70	86.28	86.60	86.63
7	86.63		86.76	86.60	86.76	
8	86.95	87.10	87.26h	86.58	86.58	
11	86.58		86.63	86.38	86.38a	
12	86.33		86.33	86.15	86.25	
13	86.30		86.43	86.30	86.38a	
14	86.50		86.50	86.20	86.25b	
15	85.85		85.85	85.75	85.75a	
18	HOLIDAY					
19	85.30		85.30	85.25	85.25a	
20	85.15		85.25	84.90	84.90a	
21	84.85		85.01	84.40	84.45	84.40a
22	84.20		84.92	84.05	84.20a	
25	84.20		84.30	83.95	83.95a	
26	83.95		84.05	83.75L	83.75b	
27	84.25		84.25	83.90	84.00	
28	83.86		84.25	83.86	84.25b	
29	84.26		84.26	84.00	84.00	

June 1980

Open	High	Low	Close	
87.15	87.25	86.94	86.94	
86.80	87.24	86.80	87.13	
87.05	87.05	86.86	86.96	86.97
86.84	87.12	86.74	87.10	87.12
87.16	87.28	87.12	87.28b	
87.50	87.50h	87.00	87.00	
86.97	86.97	86.69	86.69a	
86.55	86.55	86.25	86.25	
86.39	86.56	86.39	86.46	86.45
86.65	86.65	86.33	86.44	
86.05	86.05	85.94	85.94a	
85.44	85.44	85.44	85.44a	
85.57	85.57	85.25	85.25	
85.15	85.43	84.75	84.75a	
84.50	85.25	84.35	84.55	
84.50	84.65	84.14	84.14	
84.00	84.25	83.80	83.83b	
83.95	84.01	83.78	83.78a	
83.88	84.17	83.84	84.05	84.06
84.00	84.00	83.55L	83.55a	

September 1980

Open	High	Low	Close	
87.60	87.65	87.40	87.40a	
			87.45b	87.55a
87.50	87.55	87.45	87.53b	
87.45	87.57	87.44	87.57b	
87.60	87.78	87.60	87.76b	
88.00	88.00h	87.49	87.50a	
87.53	87.53	87.18	87.18a	
87.15	87.15	86.75	86.87	86.75a
87.05	87.16	87.05	87.05a	
87.24	87.24	86.90	86.95b	
86.60	86.60	86.45	86.45a	
85.95	86.00	85.95	85.95a	
85.70	85.95	85.70	85.80	
85.91	85.91	85.30	85.30a	
85.13	85.80	84.85	85.35a	
85.20	85.30	85.05	85.05a	
84.80	84.90	84.75	84.77a	
84.82	84.95	84.70	84.70a	
84.75	85.10	84.75	84.90a	
84.55	84.67	84.40L	84.40a	

December 1980

Feb	Open	High	Low	Close	
1	88.75	88.76h	88.60	88.60a	
4				88.70a	
5				88.69a	
6				88.35b	88.69a
7				88.70a	
8				88.70a	
11	88.59	88.59	88.45	88.45a	
12	88.30	88.30	88.30	88.30	
13				88.30a	
14				88.25a	
15	87.75	87.75	87.75	87.75a	
18	HOLIDAY				
19	87.25	87.25	87.25	87.25a	
20				86.75a	
21				86.25a	
22	85.80	86.75	85.75	85.80a	
25	85.80	85.80	85.50	85.50a	
26				85.00b	85.20a
27	85.30	85.35	84.90	84.90a	
28	85.00	85.10	85.00	85.00b	
29	84.80	84.80	84.65L	84.65a	

March 1981

Open	High	Low	Close	
			88.60a	
			88.75a	
			88.73a	
			88.75a	
			88.85a	
			88.70a	
			88.40a	
			88.55a	
			88.60a	
			88.45a	
87.95	87.95h	87.95	87.95a	
			87.45a	
			86.95a	
			86.45a	
			85.95b	86.15a
			85.55a	
			85.05b	85.30a
			84.95b	85.05a
			85.00b	
85.25	85.25	85.00L	85.01b	

Comml Paper Volume Of Sales

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
1	27	16L	3	2		48
4	21	64				85
5	20	35	9			64
6	42	50	9			101
7	33	39	6			78
8	79	39	5			123
11	28	39	4	2		73
12	28	44	10	1L		83
13	15	62	2L			79
14	7L	85	8			100
15	31	47	29	17h	5h	129
18	HOLIDAY					
19	15	17	6	2		40L
20	83h	94	16			193h
21	34	94	10			138
22	11	57	20	3		91
25	24	82	12	2		120
26	34	97	30h			161
27	11	104h	17	4		136
28	14	93	21	10		138
29	17	62	9	2	3L	93
Total	574	1,220	226	45	8	2,073

h = high L = low a = asked b = bid n = nominal

Comml Paper Open Contracts

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
1	238h	153	61	1L		453h
4	217	128L	61	1		407
5	197	130	62	1		390
6	188	128	59	1		376
7	187	129	59	1		376
8	163	131	59	1		354
11	150	135	61	1		347
12	154	129	62	1		346L
13	155	143	62	1		361
14	151	152	60	1		364
15	141	159	75h	15	5L	395
18	HOLIDAY					
19	137	151	69	15	5	377
20	136	164	67	15	5	387
21	141	162	62	15	5	385
22	139	159	55L	16	5	374
25	124	167	62	15	5	373
26	110	188h	71	15	5	389
27	105	181	70	15	5	376
28	105	184	67	20h	5	381
29	88L	180	64	20	8h	360

Comml Paper Futures Prices

Open, High, Low and Close
Index

Mar	March 1980 Open	High	Low	Close		June 1980 Open	High	Low	Close		September 1980 Open	High	Low	Close
3				83.35b	83.44a	83.50	83.50h	83.05	83.05a		83.95	83.95h	83.90	83.90a
4	82.75	82.75	82.74	82.74a		82.55	82.65	82.55	82.55a		83.40	83.49	83.40	83.40a
5	82.50	82.50	82.50	82.50		82.60	82.63	82.25	82.30		83.34	83.47	83.15	83.25
6				81.00b	82.10a	82.05	82.11	81.80	81.80a		83.05	83.05	82.75	82.75a
7	81.85	81.90	81.85	81.90b		81.48	82.00	81.32	81.90		82.35	82.90	82.25	82.90
10				82.10b	82.20a	81.95	82.40	81.95	82.40b		83.23	83.40	83.10	83.40
11	82.10	82.10	82.10	82.10		82.40	82.54	82.33	82.40b		83.45	83.55	83.25	83.40
12				81.80b	81.85a	82.25	82.28	81.90	81.90a		83.10	83.20	82.90	82.90a
13	81.70	81.70	81.70	81.70		82.05	82.05	81.59	81.95	81.94	82.95	82.95	82.60	82.95b
14	81.76	81.76	81.75	81.75a		81.95	81.95	81.44	81.44		82.75	82.75	82.45	82.45a
17				81.41a		81.15	81.94	81.05	81.94		82.40	82.95	82.10L	82.95b
18	81.50	81.50	81.50L	81.50		82.15	82.44	81.75	82.29a		83.30	83.45	83.15	83.45a
19				81.67b	83.90a	82.10	82.40	82.08	82.22		83.20	83.58	83.20	83.40b
20	82.50	82.78h	82.50	82.78b		82.43	82.44	81.72	81.76		83.55	83.55	82.93	83.00
21						81.60	81.76	81.48	81.52	81.53	82.80	83.05	82.80	82.90
24						81.10	81.10	81.03	81.03a		82.55	82.55	82.40	82.40a
25						81.00	81.25	80.95L	81.18		82.40	82.68	82.35	82.55b
26						81.27	81.67	81.05	81.16		82.75	83.05	82.53	82.55
27						81.20	81.40	81.17	81.32		82.65	82.80	82.57	82.68a
28						81.82	81.82	81.60	81.82		83.18	83.18	82.70	83.05
31						82.05	82.10	81.80	81.90b		83.20	83.20	82.90	82.99

Mar	December 1980 Open	High	Low	Close		March 1981 Open	High	Low	Close	
3	84.15	84.15	84.15	84.15a		84.70	84.70h	84.52	84.51b	84.52a
4	83.65	83.70	83.65	83.70b					84.11b	
5	84.00	84.00	83.80	83.80b					84.05b	84.30a
6	83.75	83.75	83.65	83.65a					83.85b	
7				83.80b					83.90b	
10	84.24	84.30	84.24	84.30b					84.26b	
11	84.50	84.50h	84.35	84.35a					84.20b	
12	83.90	83.91	83.85	83.85a					83.76b	
13	83.50	83.60	83.50	83.60b					83.55b	83.75a
14	83.40	83.40	83.10	83.15a					83.45b	
17	83.55	83.65	83.55	83.65b					83.95b	
18	84.10	84.15	84.05	84.15b					84.45b	
19	84.35	84.35	84.09	84.09a					84.20b	84.30a
20				83.60b	83.65a				83.75b	84.00a
21				83.55b					83.75b	83.90a
24	83.20	83.25	83.05	83.05a					83.32a	
25	82.90	83.18	82.90L	83.18b		83.20	83.40	83.20L	83.35b	
26	83.45	83.45	83.45	83.45					83.35b	83.50a
27				83.40b					83.10b	83.50a
28				83.40b	83.50a	83.80	83.80	83.70	83.70a	
31				83.50b		83.90	83.90	83.80	83.80a	

Comml Paper Volume Of Sales

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
3		39	6L	1L	3	49
4	5	27	27	2		61
5	7	121h	27	1		156h
6		35	13	8		56
7	5	74	44h			123
10		36	15	2		53
11	10h	28	13	13		64
12		52	9	2		63
13	1L	65	12	2		80
14	2	43	16	4		65
17		75	19	1		95
18	2	104	12	3		121
19		65	10	15h		90
20	5	97	27			129
21		57	18			75
24		28	18	11		57
25		60	18	7	5h	90
26		58	26	1		85
27		9L	9			18L
28		19	25		1L	45
31		24	36		1	61
Total	37	1,116	400	73	10	1,636

Comml Paper Open Contracts

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
3	85h	180L	61L	20	11h	357
4	51	181	71	22	11	336L
5	44	205	81	22	11	363
6	44	204	83	20	11	362
7	39	217	80	20	11	367
10	39	235	73	20	11	378
11	29	236	73	17	11	366
12	29	231	79	16L	11	366
13	28	210	83	17	11	349
14	26	209	73	21	11	340
17	26	232	81	22	11	372
18	24	242	81	22	11	380
19	22	237	84	31h	11	385
20	17L	243	89	31	11	391
21	17	240	96	31	11	395h
24	17	241	101	21	11	391
25	17	248	100	16	6L	387
26	17	249	103h	17	6	392
27		250h	100	17	6	373
28		247	96	17	7	367
31		247	87	17	7	358

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close

Index

Apr	June 1980 Open	High	Low	Close	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close
1	81.77	81.80	81.55L	81.78	82.90	82.90	82.70	82.84b	83.46	83.46	83.46L	83.46
2	81.70	82.20	81.65	81.85	82.77	83.10	82.65L	82.85a	83.80	83.80	83.50	83.50a
3	81.70	82.35	81.70	82.35	82.70	83.35	82.70	83.30	84.00	84.00	83.90	83.90a
4	HOLIDAY											
7	82.59	82.85	82.59	82.85	83.60	83.80	83.60	83.80b	84.40	84.40	84.40	84.40b
8	82.75	82.92	82.69	82.90	83.70	83.92	83.70	83.91	84.90	84.90	84.70	84.70a
9	82.98	83.40	82.85	83.14	84.15	84.41	83.98	84.40				85.20b
10	83.30	83.64	83.30	83.64b	84.80	84.90	84.75	84.90b				85.70b
11	84.00 84.05	84.14	84.00	84.14b	85.40	85.40	85.40	85.40b	86.20	86.20	86.20	86.20b
14	84.35	84.64	84.35	84.45	85.90	85.90	85.75	85.75	86.70	86.70	86.70	86.70b
15	84.75	84.95	84.75	84.85	86.25	86.25	85.95	85.95a	87.20	87.20	86.85	86.85
16	84.90	85.35	84.90	85.35b	86.00	86.45	86.00	86.45b	87.20	87.35	87.20	87.35b
17	85.65 85.85	85.85	84.85	85.60b	86.95	86.95	85.95	86.55a	87.00	87.35	87.00	87.25b
18	85.50	85.80	85.30	85.80b	86.50	86.70	86.30	86.70b	87.30	87.40	87.25	87.40b
21	86.15	86.30	86.15	86.30b	87.05	87.20	87.05	87.20b				87.90b
22	86.75	86.80	86.19	86.80b	87.50	87.70	87.18	87.70b				88.30b
23	86.70	87.30	86.70	87.30 87.30b	87.70	88.20	87.65	88.05b	88.30	88.70	88.30	88.70a
24	87.00	87.10	86.80	86.80	87.85	87.89	87.70	87.70	88.40	88.40	88.30	88.30a
25	86.60	86.80	86.37	86.75b	87.30	87.60	87.22	87.60b	88.00	88.20	87.98	88.20b
28	87.25	87.25	87.25	87.25b	88.10	88.10	88.04	88.10b	88.70	88.70	88.69	88.70b
29	87.35 87.50	87.75	87.35	87.75b	88.35	88.60	88.27	88.60b	89.00	89.00	89.00	89.00
30	87.90	87.90h	87.70	87.88	88.75	88.75h	88.50	88.60	89.00	89.01h	89.00	89.00

Apr	March 1981 Open	High	Low	Close
1				83.80n
2	83.95	83.95	83.80	83.80a
3	83.75	83.80	83.75L	83.80b
4	HOLIDAY			
7				84.30b
8				84.57b
9				85.07b
10				85.57b
11				86.07b
14				86.57b
15				86.75b
16				87.25b
17				87.20b
18	87.50	87.50h	87.50	87.50
21				88.00b
22				88.15b
23				88.55a
24				88.25a
25				88.00b
28				88.50b
29				88.90b
30				89.10b

Comml Paper Volume Of Sales

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
1	52	28	1L		81
2	57	33	2	1L	93
3	36	20	1	1	58
4	HOLIDAY				
7	53	15	2		70
8	70	19	2		91
9	59	28			87
10	57	15			72
11	30	9L	4		43
14	32	24	17h		73
15	67	25	14		106
16	23	20	11	1	55
17	127h	41h	15		183h
18	37	29	1	6h	73
21	13L	25			38
22	31	22			53
23	66	29	5		100
24	90	33	3		126
25	54	23	1		78
28	14	11	3		28L
29	84	15	1		100
30	47	17	7		71
Total	1,099	481	90	9	1,679

Comml Paper Open Contracts

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
1	255	91	17L	7L	370
2	273	80	19	8h	380
3	275	77	20	7	379
4	HOLIDAY				
7	268	86	18	7	379
8	270	85	20	7	382
9	284h	93	20	7	404h
10	280	96	20	7	403
11	269	96	19	7	391
14	258	99	25	7	389
15	243	97	30	7	377
16	224L	100h	32h	8	364
17	231	89	28	8	356
18	230	86	29	8	353
21	231	91	29	8	359
22	230	87	29	8	354
23	242	88	31	8	369
24	267	88	31	8	394
25	262	81	32	8	383
28	259	71	32	8	370
29	261	72	32	8	373
30	249	63L	32	8	352L

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
Index

May	June 1980 Open		High	Low	Close		September 1980 Open		High	Low	Close		December 1980 Open		High	Low	Close	
1	88.28		88.38	88.15L	88.23		89.00		89.10	88.84L	88.94		89.15		89.40	89.10	89.30a	
2	88.35		88.73	88.19	88.73b		89.02		89.44	88.88	89.37						89.55b	
5	89.06		89.23	89.06	89.20	89.22	89.77		89.87	89.62	89.63		89.86		90.05	89.80	89.80a	
6	89.10		89.67	89.10	89.67		89.55		90.02	89.55	90.00b		89.75		90.23	89.75	90.21	
7	90.00		90.15	90.00	90.00		90.40		90.40	90.20	90.20		90.65	90.67	90.67	90.35	90.40	90.35a
8	90.20		90.25	90.12	90.14b		90.38		90.38	90.23	90.23		90.40		90.45	90.34	90.45b	
9	90.02		90.02	89.70	89.79	89.80	89.90		89.97	89.73	89.85						90.05a	
12	89.86		90.15	89.80	90.15b		89.86		90.15	89.85	90.15		90.05		90.12	89.95	90.12b	
13	89.96		90.17	89.89	90.17b		89.92		90.11	89.86	90.11b		89.90		90.04	89.90	90.04b	
14	90.32		90.40	90.30	90.40		90.27		90.43	90.20	90.40		90.20		90.35	90.15	90.25a	
15	90.45		90.45	89.91	89.96		90.34		90.34	89.94	89.95		90.19		90.19	89.78	89.78	
16	89.90		89.95	89.46	89.46a		89.90		89.90	89.45	89.45b		89.60		89.60	89.30	89.30	
19	89.00	88.99	89.28	88.96	89.15a		89.00	88.95	89.55	88.95	89.43		89.00		89.45	89.00L	89.20	89.15a
20	89.30		89.65	89.25	89.65b		89.65		89.93	89.64	89.92		89.62		89.62	89.58	89.62	89.58
21	89.95		90.15	89.95	90.15b		90.14		90.42	90.10	90.26	90.24a	89.93		90.10	89.93	90.00a	
22	90.40		90.56	90.22	90.30b		90.34		90.57	90.25	90.25		90.15		90.15	90.15	90.15	
23	90.75		90.80	90.73	90.80b		90.70	90.71	90.75	90.68	90.75b		90.65		90.65	90.65	90.65b	
26	HOLIDAY																	
27	91.05	91.10	91.15h	90.88	90.88		90.90	90.96	91.15h	90.90	90.95	90.97	90.87		91.15h	90.87	90.90b	
28	90.50		90.50	90.38	90.38	90.38a	90.70		91.05	90.60	90.95	90.91	90.71		90.75	90.71	90.75b	
29	90.33		90.34	90.05	90.24		90.84		91.00	90.55	90.75		90.60		90.60	90.60	90.60	
30	90.34		90.34	90.20	90.25		90.90		90.90	90.58	90.65		90.70		90.70	90.55	90.55a	

March 1981

May	Open	High	Low	Close
1	89.30	89.50	89.30	89.45a
2				89.75b
5				90.05a
6	90.45	90.45	90.40	90.40
7				90.55b
8				90.54a
9				90.15a
12				90.18b
13				90.02b
14	90.10	90.25	90.05	90.20a
15	89.90	89.90	89.70	89.70
16	89.25	89.30	89.25L	89.30b
19	89.40	89.40	89.25	89.25a
20				89.60a
21				90.00a
22				90.15b
23				90.65b
26	HOLIDAY			
27	90.90	90.90h	90.90	90.90
28	90.75	90.75	90.70	90.75b
29				90.60a
30	90.60	90.62	90.55	90.55a

Comml Paper Volume Of Sales

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
1	51	17	6	6h	80
2	24	43			67
5	23	17	7		47L
6	49	15L	10	2	76
7	35	25	11		71
8	45	26	3		74
9	48	46			94
12	33	16	5		54
13	35	19	1L		55
14	58	35	13h	2	108
15	38	32	3	1L	74
16	72	21	6	1	100
19	50	37	6	1	94
20	21	47	3		71
21	27	53	9		89
22	37	53	1		91
23	18L	26	3		47
26	HOLIDAY				
27	37	48	9	1	95
28	71	45	2	2	120
29	144h	99h	1		244h
30	22	89	1	1	113
Total	938	809	100	17	1,864

Comml Paper Open Contracts

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
1	255h	68L	31	6	360
2	251	75	31	6	363
5	244	79	29	6	358
6	245	78	26L	4L	353
7	238	81	28	4	351
8	239	86	29	4	358
9	237	83	29	4	353
12	2[illegible]	82	27	4	339
13	2[illegible]	83	27	4	352
14	23[illegible]	93	38	5	370
15	232	95	39	5	371h
16	2[illegible]	95	38	6	344
19	199	92	40	7	338
20	196	104	41	7	348
21	194	104	39	7	344
22	186	111	39	7	343
23	186	107	39	7	339
26	HOLIDAY				
27	179	112	43h	8	342
28	138	116	42	10	306
29	114	111	41	10	276L
30	106L	129h	41	11h	287

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
Index

Jun	June 1980 Open	High	Low	Close		September 1980 Open		High	Low	Close		December 1980 Open	High	Low	Close	
2	90.00	90.10	90.00L	90.10		90.40		90.46	90.30	90.46		90.35	90.35	90.35	90.35	
3	90.35	90.73	90.35	90.73		90.60		90.96	90.60	90.96b		90.50	90.85	90.50	90.85b	
4				90.80b	90.90a	91.10	91.18	91.20	90.95	91.11	91.12	90.99	91.00	90.80	90.90	
5	91.10	91.20	91.09	91.17b		91.28		91.45	91.24	91.39b		91.05	91.10	91.05	91.10b	
6				91.33b		91.30		91.66	91.13	91.62	91.66	91.10	91.33	91.05	91.33b	
9	91.70	91.71	91.55	91.63		92.00		92.14	91.91	92.05	92.08	91.70	91.83	91.70	91.77	
10	91.00	91.00	90.75	90.75a		92.12		92.17	91.65	91.78		91.76	91.80	91.45	91.50	
11	90.55	90.66	90.54	90.65		91.75		92.01	91.67	92.00		91.45	91.67	91.42	91.65	
12				90.70b		92.10		92.13	91.98	92.03		91.73	91.73	91.62	91.72b	
13	91.60	91.75	91.55	91.55a		92.40		92.40h	92.14	92.14a		91.95	91.95h	91.80	91.80a	
16	91.40	91.45	91.40	91.45b		91.85		91.97	91.75	91.97		91.56	91.75	91.56	91.70	
17				91.45b		91.90		91.95	91.63	91.63		91.65	91.65	91.44	91.45	91.44
18	91.70	91.70	91.70	91.70		91.50		91.60	91.35	91.40		91.35	91.50	91.27	91.27a	
19	92.75	92.75h	92.75	92.75		91.48		91.55	91.30	91.32a		91.32	91.35	91.14	91.14	
20						91.30		91.50	91.25	91.50		91.18	91.24	91.15	91.24b	
23						91.40		91.40	91.01	91.03	91.05	91.15	91.15	90.85	90.90	90.85
24						91.13		91.25	90.95	91.02		91.00	91.05	90.80	90.80	
25						91.10		91.13	90.96	91.03		90.91	90.92	90.75	90.85	
26						91.03		91.19	90.77	90.79	90.77	90.85	91.05	90.65	90.67b	
27						90.80		90.90	90.50	90.50		90.65	90.66	90.45	90.45a	
30						90.45	90.40	90.65	90.25L	90.65		90.40	90.60	90.29L	90.60b	

Jun	March 1981 Open	High	Low	Close
2	90.10	90.35	90.10L	90.35
3				90.85b
4				90.85b
5				91.05b
6	91.20	91.28	91.19	91.28b
9				91.70b
10	91.50	91.50	91.50	91.50
11	91.60	91.62h	91.59	91.62b
12				91.63b
13				91.70b
16				91.60b
17				91.45a
18	91.40	91.40	91.22	91.22
19	91.30	91.30	91.08	91.08
20	91.05	91.12	91.05	91.12b
23				90.77b
24	90.83	90.84	90.70	90.70
25	90.75	90.75	90.75	90.75
26	90.55	90.55	90.55	90.55
27	90.40	90.40	90.30	90.30a
30	90.20	90.47	90.20	90.47b

Comml Paper Volume Of Sales

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
2	10	27	1L	1L	39
3	15	30	8		53
4		38	14		52
5	48h	32	6		86
6		27	10	2	39
9	20	53	13		86
10	9	39	9	1	58
11	4	26	9	2	41
12		43	6		49
13	4	25	7		36
16	3	37	13		53
17		46	8		54
18	25	47	19h	4	95h
19	2L	18L	13	3	36
20		18	9	5h	32L
23		23	9		32
24		65h	18	4	87
25		48	10	1	59
26		40	11	4	55
27		57	10	2	69
30		56	10	1	67
Total	140	795	213	30	1,178

Comml Paper Open Contracts

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	Total
2	98h	165h	40L	11L	314h
3	91	147	42	11	291
4	91	143	43	11	288
5	50	138	42	11	241
6	50	143	46	11	250
9	42	137	43	11	233
10	42	139	44	12	237
11	34	140	43	12	229
12	33	127	44	12	216
13	30	128	44	12	214
16	28	127	45	12	212
17	22	119	45	12	203
18	3	113	44	13	173
19	2L	114	45	14	175
20	2	101	46	14	163
23	2	103	48h	14	167
24		104	45	16	165
25		103	47	17h	167
26		100	47	16	163
27		91L	42	17	150L
30		100	42	16	158

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
Index

	September 1980					December 1980				March 1981			
Jul	Open	High	Low	Close		Open	High	Low	Close	Open	High	Low	Close
1	90.60	90.65	90.37	90.40b		90.54	90.60	90.40	90.40				90.37a
2	90.33	90.45	90.30	90.42	90.45	90.37	90.39	90.33	90.39b	90.28	90.35	90.27	90.35b
3	90.51	90.85	90.44	90.65	90.66	90.44	90.70	90.44	90.65a	90.50	90.58	90.50	90.55a
4	HOLIDAY												
7	90.60	90.62	90.16	90.16a		90.60	90.60	90.15	90.15a	90.10	90.16	90.10	90.10
8	90.21	90.60	90.15	90.60b		90.20	90.58	90.19	90.58b	90.25	90.52	90.10	90.52b
9	90.50	90.70	90.45	90.46		90.50	90.62	90.45	90.45	90.37	90.50	90.37	90.45a
10	90.43	90.52	90.39	90.49		90.43	90.48	90.43	90.45a	90.42	90.42	90.42	90.42
11	90.35	90.43	90.30	90.34		90.34	90.36	90.26	90.28b				90.25b
14	90.19	90.45	90.19	90.34		90.18	90.37	90.18	90.32	90.26	90.28	90.26	90.28b
15	90.50	90.80	90.50	90.75		90.48	90.70	90.48	90.70b	90.65	90.65	90.65	90.65
16	90.75	91.15	90.57	91.15b		90.67	91.07	90.62	91.07b	90.60	91.00h	90.60	91.00b
17	91.09	91.20	90.90	90.92		91.00	91.09	90.85	90.85				90.85a
18	91.05	91.10	90.89	90.89a		90.90	90.95	90.80	90.80				90.80a
21	90.90	91.12	90.85	91.12b		90.80	91.02	90.80	91.02b	90.70	90.95	90.70	90.95b
22	91.22	91.32h	91.00	91.00		91.11	91.17h	90.90	90.90				90.85a
23	90.80	91.15	90.72	90.95		90.68	90.95	90.65	90.88a				90.85a
24	91.06	91.06	90.75	90.75		90.96	90.97	90.70	90.70a				90.67a
25	90.76	90.79	90.75	90.75		90.68	90.69	90.68	90.68a	90.59	90.60	90.59	90.60b
28	90.75	90.75	90.50	90.52b		90.68	90.68	90.44	90.47				90.45a
29	90.52	90.56	90.47	90.52b		90.46	90.49	90.39	90.43b				90.40a
30	90.52	90.61	90.45	90.48		90.45	90.54	90.32	90.38a	90.40	90.40	90.35	90.35
31	90.45	90.48	90.08L	90.10		90.38	90.38	90.05L	90.05a	89.98	89.98	89.98L	89.98

Comml Paper Volume Of Sales

Reported in Contracts

Jul	1980 Sep	1980 Dec	1981 Mar	Total
1	28	7		35
2	36	7	3	46
3	66h	6L	2	74
4	HOLIDAY			
7	33	6	6h	45
8	35	7	3	45
9	47	8	1L	56
10	24	10	3	37
11	23	14		37
14	29	14	1	44
15	47	12	1	60
16	37	15	1	53
17	21	12		33L
18	18L	16		34
21	23	24	2	49
22	49	35h		84h
23	59	22		81
24	29	16		45
25	22	17	5	44
28	34	29		63
29	36	24		60
30	42	29	2	73
31	36	22	2	60
Total	774	352	32	1,158

Comml Paper Open Contracts

Reported in Contracts

Jul	1980 Sep	1980 Dec	1981 Mar	Total
1	109	43	16	168
2	109	42	15	166
3	116	40	15	171
4	HOLIDAY			
7	114	42	17h	173
8	119h	46h	17	182h
9	108	43	15	166
10	103	43	15	161
11	97	40	15	152
14	97	40	15	152
15	102	40	14	156
16	105	38L	14	157
17	86	39	14	139
18	86	40	14	140
21	82	38	14	134
22	79	41	14	134
23	72	40	14	126
24	70	41	14	125
25	68	40	14	122
28	66	40	14	120
29	66	43	14	123
30	65L	40	12	117
31	65	38	5L	108L

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
Index

Aug	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close		March 1981 Open	High	Low	Close
1	90.10	90.20	89.85	90.05b	90.04	90.10	89.85	90.01b		89.90	90.00	89.90	90.00b
4	89.95	90.10	89.85	90.10b	89.91	90.05	89.80	90.05b					90.04b
5	90.05	90.25	90.04	90.16	89.99	90.10	89.99	90.03					90.05b
6	90.16	90.36	90.16	90.34	90.05	90.20	90.05	90.15b					90.15b
7	90.35	90.55	90.34	90.52	90.18	90.38	90.18	90.36b					90.35b
8	90.42	90.52	90.10	90.10a	90.23	90.40h	89.90	89.90a					90.00a
11	90.05	90.18	89.90	89.90a	89.85	89.97	89.70	89.70a					89.85a
12	89.95	90.15	89.80	90.15	89.75	89.88	89.60	89.88b					89.88b
13	90.20	90.40	90.17	90.35b	89.97	90.15	89.88	90.05b		89.80	90.05h	89.79	90.05b
14	90.40	90.57h	90.38	90.55	90.10	90.20	90.00	90.10	90.00				90.05b
15	90.40	90.50	90.30	90.50	90.00	90.05	89.90	90.00b					89.95b
18	90.16	90.20	90.00	90.00a	89.67	89.70	89.50	89.50a					89.45a
19	89.99	89.99	89.50	89.50	89.45	89.50	89.15	89.15a		89.30	89.30	89.15	89.15a
20	89.49	89.56	89.45	89.56	89.15	89.20	89.06	89.18b		89.10	89.18	89.10	89.18b
21	89.60	89.75	89.06	89.08b	89.23	89.35	88.68	88.75b					88.73b
22	89.18	89.20	89.10	89.19	88.84	89.00	88.80	88.85b		88.80	88.82	88.80	88.82
25	89.00	89.00	88.70	88.73a	88.69	88.70	88.40	88.42	88.41a	88.44	88.45	88.44	88.45
26	88.80	88.90	88.73	88.80	88.50	88.55	88.38	88.40a		88.35	88.40	88.33	88.38a
27	88.75	88.77	88.65	88.65	88.43	88.43	88.23	88.23		88.35	88.35	88.20	88.20a
28	88.70	88.70	88.40L	88.40a	88.20	88.20	87.90	87.90		88.12	88.12	87.85	87.85
29	88.80	88.90	88.80	88.90b	87.70	88.40	87.70L	88.37		87.61	88.30	87.60L	88.30a

Comml Paper Volume Of Sales

Reported in Contracts

Aug	1980 Sep	1980 Dec	1981 Mar	Total
1	29	16	5	50
4	39h	25		64
5	38	18		56
6	32	35		67h
7	36	17		53
8	25	12L		37
11	32	23		55
12	25	28		53
13	33	27	3	63
14	20	13		33
15	24	18		42
18	31	25		56
19	27	23	2L	52
20	15	12	4	31L
21	30	23		53
22	18	17	5	40
25	19	22	6	47
26	18	20	14	52
27	10	17	13	40
28	11	38h	16	65
29	5L	33	20h	58
Total	517	462	88	1,067

Comml Paper Open Contracts

Reported in Contracts

Aug	1980 Sep	1980 Dec	1981 Mar	Total
1	70	43L	14	127
4	71	50	14	135
5	82h	54	14	150
6	74	52	14	140
7	72	55	14	141
8	73	54	14	141
11	70	56	14	140
12	69	59	14	142
13	72	68	14	154
14	72	64	14	150
15	71	65	14	150
18	68	71	14	153
19	68	77	14	159
20	70	79h	13L	162h
21	67	78	13	158
22	69	76	13	158
25	65	77	17	159
26	55	76	17	148
27	55	72	16	143
28	57	56	18h	131
29	54L	50	14	118L

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
Index

Sep	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close		March 1981 Open	High	Low	Close	
1	HOLIDAY													
2	89.10	89.35	89.10	89.21a	88.42	88.85	88.40	88.65a		88.27	88.61	88.27	88.50a	
3	89.35	89.40	89.21	89.28b	88.85	88.86h	88.65	88.76		88.67	88.67h	88.53	88.60b	
4	89.20	89.20	89.20	89.20	88.80	88.82	88.65	88.65a		88.61	88.61	88.50	88.50a	
5	89.15	89.15	89.00	89.00a	88.65	88.73	88.50	88.55		88.46	88.46	88.40	88.40a	
8	88.90	88.90	88.90	88.90	88.44	88.45	88.22	88.33		88.20	88.20	88.12	88.12	
9	89.30	89.35	89.30	89.35	88.37	88.50	88.32	88.50		88.16	88.24	88.13	88.24b	
10				89.35b	88.50	88.80	88.50	88.68		88.29	88.43	88.26	88.42a	
11	89.50	89.50h	89.30	89.40b	88.60	88.60	88.40	88.44		88.38	88.38	88.19	88.19a	
12	89.25	89.25	89.22	89.22b	88.30	88.35	88.16	88.25		88.05	88.12	88.00	88.05	
15	88.90	88.90	88.85L	88.85a	87.87	87.91	87.80	87.83a		87.60	87.62	87.55	87.55a	
16				89.05b	87.78	88.15	87.78	88.06		87.45	87.74	87.43	87.74b	
17	89.05	89.05	89.00	89.00	88.20	88.26	88.00	88.09	88.07a	87.86	87.87	87.73	87.74	87.75
18				89.00n	88.00	88.29	88.00	88.29		87.63	87.87	87.61	87.87b	
19	89.30	89.45	89.00	89.00	88.42	88.60	88.42	88.55a		88.00	88.13	88.00	88.13b	
22					88.25	88.25	88.05	88.05a		87.81	87.81	87.63	87.63a	
23					87.90	88.07	87.80	87.80a		87.54	87.56	87.45	87.45a	
24					87.90	88.23	87.90	87.98a		87.52	87.70	87.52	87.65a	
25					88.06	88.07	87.55	87.65a		87.71	87.71	87.20	87.25b	
26					87.25	87.25	87.15	87.15a		86.90	86.93	86.90	86.90	
29					86.70	86.76	86.65L	86.65a		86.50	86.66	86.45L	86.60	
30					86.80	86.97	86.80	86.97		86.78	87.02	86.78	87.02	

Sep	June 1981 Open	High	Low	Close
1	HOLIDAY			
2				
3				
4				
5				
8				
9				
10				
11				
12				
15				
16				
17				
18				
19				
22				
23				
24				
25				
26	86.80	86.80	86.80	86.80
29	86.50	86.60	86.50L	86.60b
30	86.85	87.00h	86.85	87.00b

Comml Paper Volume Of Sales

Reported in Contracts

Sep	1980 Sep	1980 Dec	1981 Mar	1981 Jun	Total
1	HOLIDAY				
2	8	23	22		53
3	20h	32	21		73h
4	3	20L	12L		35L
5	1L	26	17		44
8	10	36	15		61
9	3	42h	22		67
10		35	15		50
11	17	36	17		70
12	5	36	18		59
15	3	26	21		50
16		27	22		49
17	4	36	20		60
18		21	18		39
19	10	30	22		62
22		35	19		54
23		28	21		49
24		32	23		55
25		28	19		47
26		32	22	4	58
29		32	23	3L	58
30		24	28h	5h	57
Total	84	637	417	12	1,150

Comml Paper Open Contracts

Reported in Contracts

Sep	1980 Sep	1980 Dec	1981 Mar	1981 Jun	Total
1	HOLIDAY				
2	51h	49	13		113
3	42	58	9L		109
4	42	59	14		115h
5	41	53	10		104
8	34	53	10		97
9	31	65h	10		106
10	31	59	10		100
11	16	63h	12		91
12	11	57	14		82
15	8	60	14		82
16	8	56	14		78
17	4	56	16		76
18	4	55	17h		76
19	2L	54	13		69
22	2	54	14		70
23		51	12		63
24		53	14		67
25		59	12		71
26		57	13	1h	71
29		56	13	1	70
30		44L	12		56L

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
Index

Oct	December 1980 Open		High	Low	Close		March 1981 Open		High	Low	Close	June 1981 Open	High	Low	Close
1	87.04		87.09	86.90	86.95		87.04		87.05	86.92	86.94a	87.02	87.05	86.95	86.95a
2	86.85		86.95	86.78	86.95		86.85		87.05	86.82	87.04a	86.95	87.10	86.95	87.10b
3	87.05		87.45	87.00	87.45b		87.09		87.54	87.09	87.54b	87.40	87.60	87.40	87.60b
6	87.85	87.95	87.95	87.79	87.90		88.04		88.04	87.96	88.00b				88.03b
7	87.80		87.85	87.75	87.75a		87.95		87.95	87.85	87.85a	88.00	88.00	87.95	87.95
8	87.60		87.69	87.45	87.67		87.77		87.85	87.61	87.85a	87.85	87.95	87.84	87.95b
9	87.75		88.06	87.70	87.96a		87.93		88.15	87.93	88.12a	88.02	88.35h	88.02	88.30a
10	87.91		88.00	87.85	87.85a		88.07		88.15	87.99	87.99				88.20a
13	87.80		87.96	87.80	87.93		87.97		88.11	87.96	88.10a				88.20n
14	88.25		88.40	88.25	88.25a		88.41		88.49	88.38	88.38a				88.48a
15	88.30		88.47h	88.30	88.47b		88.40		88.55h	88.40	88.55b				88.55b
16	88.40		88.40	88.19	88.19a		88.35	88.30	88.48	88.27	88.30				88.40a
17	88.10		88.10	87.73	87.73		88.18		88.18	87.85	87.85a				88.00a
20	87.70		87.75	87.67	87.72		87.78		87.85	87.78	87.83a				87.90a
21	87.81		87.84	87.62	87.62a		87.97		87.99	87.78	87.78a				87.90a
22	87.45		87.55	87.40	87.40a		87.61		87.70	87.58	87.58a				87.65a
23	87.40		87.41	87.25	87.25	87.26	87.52		87.53	87.40	87.40a	87.50	87.50	87.50	87.50a
24	87.24		87.25	87.16	87.20b		87.34		87.34	87.28	87.30b	87.41	87.41	87.41	87.41
27	86.78		86.79	86.70	86.70a		86.90		86.90	86.80	86.80a				86.91a
28	86.57		86.57	86.35	86.50b		86.70		86.70	86.45	86.60	86.65	86.66	86.65L	86.66
29	86.60		86.63	86.40	86.40a		86.77		86.78	86.50	86.50a				86.56a
30	86.20		86.35	86.18L	86.18a		86.33		86.33	86.30L	86.30a				86.40a
31	86.18		86.21	86.18	86.21		86.31		86.33	86.31	86.33				86.40n

Comml Paper Volume Of Sales

Reported in Contracts

Oct	1980 Dec	1981 Mar	1981 Jun	Total
1	41	20	1L	62
2	31	29	4	64
3	41	29	6h	76
6	27	18L		45L
7	28	28	5	61
8	34	25	2	61
9	36	21	6	63
10	26	27		53
13	25L	25		50
14	28	31		59
15	28	27		55
16	43	38		81
17	47h	39h		86h
20	35	26		61
21	31	27		58
22	33	30		63
23	32	28	1	61
24	25	26	1	52
27	27	29	1	57
28	28	28	2	58
29	32	30		62
30	38	36		74
31	31	27		58
Total	747	644	29	1,420

Comml Paper Open Contracts

Reported in Contracts

Oct	1980 Dec	1981 Mar	1981 Jun	Total
1	35	13	1h	49
2	37	16h	1	54
3	32	14		46
6	33	14		47
7	31	12L		43
8	32	14	1	47
9	41	14		55
10	42	13		55
13	44h	14		58h
14	35	16		51
15	34	14		48
16	30	14		44
17	27	13		40
20	20	13		33L
21	24	13		37
22	23	13		36
23	20	14	1	35
24	19L	13	1	33
27	21	14		35
28	21	13		34
29	24	16		40
30	22	13		35
31	27	15		42

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
Index

	December 1980				March 1981				June 1981			
Nov	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
3	86.00	86.11	85.90	85.90a	86.13	86.21	86.00	86.00a				86.25a
4	HOLIDAY											
5	86.05	86.05	85.40	85.40b	86.21	86.23	85.50	85.70a	86.25	86.25	86.24	86.24
6	85.25	85.26	85.24	85.26	85.55	85.55	85.53	85.54b				86.00a
7	85.35	85.76	85.35	85.76b	85.70	86.04	85.70	86.04b				86.40b
10	85.70	85.70	85.48	85.48a	86.02	86.07	85.90	85.90a				86.40n
11	85.96	85.98	85.95	85.98b	86.35 86.40b	86.40	86.35	86.40b				86.60b
12	86.15	86.16h	85.95	85.95	86.65	86.70h	86.47	86.47a	86.80	86.80h	86.80	86.80
13	86.05	86.10	85.85	85.94	86.57	86.60	86.44	86.48b	86.80	86.80	86.79	86.79
14	85.90	85.90	85.48	85.48a	86.48	86.48	86.05	86.12b				86.60a
17	85.18	85.18	84.98	84.98	85.85	85.85	85.70	85.70				86.40a
18	85.30	85.48	85.30	85.48b	85.97	86.20	85.97	86.20b	86.47	86.50	86.47	86.50b
19	85.75	85.76	85.33	85.35a	86.45	86.55	86.15	86.15a				86.50a
20	85.25	85.30	85.05	85.08b	86.13	86.17	85.85	85.87b	86.65	86.65	86.10	86.20b
21	84.83	84.83	84.65	84.65a	85.75	85.76	85.56	85.62b	86.08	86.08	86.08	86.08
24	84.60	84.72	84.55L	84.72b	85.61	85.64	85.48	85.64b	86.03	86.03	85.90	86.00b
25	85.00	85.08	84.75	84.75a	85.92	85.92	85.60	85.60a	86.15	86.15	86.05	86.05a
26	84.66	84.80	84.66	84.80b	85.60	85.65	85.45	85.65	86.02	86.02	85.88	85.95b
27	HOLIDAY											
28				84.60a	85.55	85.55	85.40L	85.50a	85.95	85.95	85.91	85.91a

Comml Paper Volume Of Sales

Reported in Contracts

Nov	1980 Dec	1981 Mar	1981 Jun	Total
3	29	26		55
4	HOLIDAY			
5	27	25	3	55
6	26	24		50
7	24	21		45
10	31	36		67
11	26	29		55
12	28	22	3	53
13	37h	27	2L	66
14	28	36		64
17	37	37h		74h
18	28	32	3	63
19	32	27		59
20	12	22	11h	45
21	21	26	2	49
24	14	21	5	40
25	11	15	2	28
26	2L	11		13L
27	HOLIDAY			
28		8L	5	13
Total	413	445	36	894

Comml Paper Open Contracts

Reported in Contracts

Nov	1980 Dec	1981 Mar	1981 Jun	Total
3	25	13L		38
4	HOLIDAY			
5	25	15		40
6	24	13		37
7	25	15		40
10	25	15		40
11	25	15		40
12	26h	17		43h
13	24	17		41
14	18	16		34
17	16	13		29
18	15	13		28
19	13	17		30
20	11	18h	2h	31
21	6	13	2	21
24	4	15	2	21
25	5	15		20
26	3L	15		18L
27	HOLIDAY			
28	3	16		19

h = high L = low a = asked b = bid n = nominal

Comml Paper Futures Prices

Open, High, Low and Close
index

Dec	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close
1				84.20a	85.49	85.49	85.10	85.10	86.00	86.01	85.70	85.70a
2				84.00a	85.30	85.31	85.00	85.00a	85.83	85.84	85.61	85.61a
3				84.00n	85.20	85.20	85.20	85.20b	85.79	85.85	85.79	85.85b
4				84.00a	85.28	85.28	85.19	85.20	85.95	85.96	85.85	85.85a
5	83.45	83.45h	83.30	83.30a	84.70	84.70	84.70	84.70	85.54	85.55	85.54	85.54
8	82.50	82.50	82.49	82.49a	84.25	84.25	84.20	84.20	85.18	85.20	85.18	85.20
9				82.25a	83.70	83.80	83.70	83.70a	84.85	84.85	84.83	84.85b
10				82.00a	83.70	83.80	83.20	83.20a	84.90	84.91	84.45	84.45a
11	82.00	82.00	82.00L	82.00	82.70	82.81	82.70	82.70	84.07	84.08	84.07	84.08a
12				82.00n	82.70	82.90	82.69L	82.90b	83.67	84.00	83.65L	84.00b
15				82.00n	82.90	82.90	82.90	82.90	84.00	84.00	83.99	83.99
16				82.00n				82.75a				83.99n
17				82.00n	83.00	83.25	83.00	83.25b				83.99n
18				82.00b	83.45	83.47	83.45	83.47				84.10n
19								83.97b	84.60	84.60	84.60	84.60b
22								84.47b				85.10b
23								84.97b				85.60b
24								85.72b				86.35b
25	HOLIDAY											
26	HOLIDAY											
29					85.95	85.95	85.95	85.95	86.55	86.55h	86.55	86.55
30					85.85	85.85	85.70	85.70a				86.30a
31					85.45	86.20h	85.45	86.00				86.40a

Comml Paper Volume Of Sales

Reported in Contracts

Dec	1980 Dec	1981 Mar	1981 Jun	Total
1		8	7	15
2		14	8	22
3		9	9	18
4		11	5	16
5	2h	19	16h	37h
8	1L	10	6	17
9		7	6	13
10		8	7	15
11	1	22h	5	28
12		6	5	12
15		1L	4	5
16				
17		5		5
18		3		3
19			3	3
22				
23				
24				
25	HOLIDAY			
26	HOLIDAY			
29		1	2L	3
30		1		1L
31		6		6
Total	4	131	84	219

Comml Paper Open Contracts

Reported in Contracts

Dec	1980 Dec	1981 Mar	1981 Jun	Total
1	3h	17	1L	21
2	3	14L	1	18
3	3	14		17L
4	3	14		17
5	1L	16	2	19
8	1	17	3h	21
9	1	16	2	19
10	1	17	2	20
11		26	2	28h
12		24		24
15		25		25
16		25		25
17		27h		27
18		26		26
19		26		26
22		26		26
23		26		26
24		26		26
25	HOLIDAY			
26	HOLIDAY			
29		26		26
30		25		25
31		24		24

h = high L = low a = asked b = bid n = nominal

COMML PAPER

Monthly Range of Futures Prices
Index

March Delivery

Trading	Delivery	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	81	87.50	83.75	90.90	89.25	91.62	90.10	91.00	89.98	90.05	87.60	88.67	86.45	80-81	81
79-80	81	-	-	-	-	-	-	-	-	-	-	-	-	79-80	81
79-80	80	10.75	10.34	10.76	9.10	9.60	8.50	10.18	8.67	11.09	9.60	11.85	10.76	79-80	80
78-79	80	-	-	-	-	-	-	-	-	-	-	9.50	9.34	78-79	80
78-79	79	8.73	8.45	9.06	8.68	9.71	8.95	9.90	9.08	9.32	8.94	9.56	8.97	78-79	79
77-78	79	-	-	-	-	-	-	-	-	-	-	8.48	8.00	77-78	79
77-78	78	-	-	-	-	-	-	-	-	-	-	7.10	6.76	77-78	78

Trading	Delivery	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	81	88.55	86.30	86.70	85.40	86.20	82.69	-	-	-	-	-	-	80-81	81
79-80	81	-	-	-	-	10.39	9.83	-	-	87.95	85.00	84.70	83.20	79-80	81
79-80	80	14.80	11.57	14.33	11.55	13.39	11.65	88.14	86.49	87.26	83.75	82.78	81.50	79-80	80
78-79	80	10.60	9.49	10.60	9.40	10.98	9.79	11.12	10.39	11.02	10.24	10.92	10.23	78-79	80
78-79	79	11.14	9.44	11.88	11.07	11.82	10.95	11.74	10.40	10.85	10.18	10.45	10.15	78-79	79
77-78	79	8.26	8.05	8.27	8.05	8.70	8.09	9.04	8.57	8.87	8.55	8.72	8.49	77-78	79
77-78	78	7.43	7.06	7.39	6.98	7.37	7.03	7.62	7.10	7.20	6.80	6.92	6.77	77-78	78

June Delivery

Trading	Delivery	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	81	-	-	-	-	87.00	86.50	88.35	86.65	86.80	85.88	86.55	83.65	80-81	81
79-80	80	9.70	8.67	10.66	9.25	11.15	10.04	13.94	10.96	13.30	10.56	12.05	10.60	79-80	80
78-79	80	-	-	-	-	-	-	-	-	-	-	10.90	10.77	78-79	80
78-79	79	10.16	9.43	9.62	9.30	9.55	9.12	11.08	9.44	11.48	10.61	11.93	10.78	78-79	79
77-78	79	-	-	-	-	-	-	-	-	-	-	8.85	8.49	77-78	79
77-78	78	-	-	-	-	7.30	7.20	7.65	7.37	7.72	7.29	7.85	7.38	77-78	78

Trading	Delivery	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81
79-80	80	89.22	87.10	87.50	83.55	83.50	80.95	87.90	81.55	91.15	88.15	92.75	90.00	79-80	80
78-79	80	10.85	10.35	11.00	10.38	10.80	10.23	10.70	10.34	10.66	9.20	9.41	8.59	78-79	80
78-79	79	11.77	10.51	11.20	10.32	10.89	10.30	11.05	10.48	10.81	9.92	10.20	9.83	78-79	79
77-78	79	9.10	8.82	9.06	8.80	8.96	8.75	9.06	8.75	9.35	9.00	10.06	9.35	77-78	79
77-78	78	8.10	7.57	7.85	7.50	7.56	7.32	7.59	7.17	7.65	7.36	7.85	7.50	77-78	78

September Delivery

Trading Year	Delivery Year	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	Trading Year	Delivery Year
79-80	80	12.61	11.97	12.29	9.80	10.98	9.54	90.15	87.73	88.00	84.40	83.95	82.10	79-80	80
78-79	80	-	-	-	-	-	-	-	-	-	-	-	-	78-79	80
78-79	79	11.00	9.47	11.11	9.95	11.46	10.37	11.63	10.48	11.20	10.33	11.01	10.47	78-79	79
77-78	79	-	-	-	-	-	-	-	-	-	-	9.15	9.05	77-78	79
77-78	78	7.84	7.57	7.95	7.59	8.20	7.67	8.45	7.96	8.23	7.90	8.04	7.79	77-78	78
76-77	78	-	-	-	-	-	-	-	-	-	-	-	-	76-77	78

Trading Year	Delivery Year	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	Trading Year	Delivery Year
79-80	80	88.75	82.65	91.15	88.84	92.40	90.25	91.32	90.08	90.57	88.40	89.50	88.85	79-80	80
78-79	80	10.55	10.30	10.55	10.40	9.10	8.80	8.91	8.91	10.22	10.22	9.95	9.95	78-79	80
78-79	79	11.13	10.59	11.00	9.70	10.04	9.20	10.86	9.45	11.50	10.32	12.70	10.05	78-79	79
77-78	79	9.27	8.98	9.66	9.28	10.26	9.55	10.41	9.55	9.75	9.41	9.65	9.20	77-78	79
77-78	78	8.08	7.70	8.32	7.95	8.85	8.15	9.02	8.22	8.55	8.01	8.77	8.30	77-78	78
76-77	78	-	-	-	-	-	-	-	-	-	-	7.65	7.55	76-77	78

December Delivery

Trading Year	Delivery Year	JANUARY High	JANUARY Low	FEBRUARY High	FEBRUARY Low	MARCH High	MARCH Low	APRIL High	APRIL Low	MAY High	MAY Low	JUNE High	JUNE Low	Trading Year	Delivery Year
80	80	89.85	88.90	88.76	84.65	84.50	82.90	89.01	83.46	91.15	89.00	91.95	90.29	80	80
79	80	-	-	-	-	-	-	-	-	-	-	-	-	79	80
79	79	11.18	10.39	11.09	10.25	10.98	10.32	10.91	10.44	10.89	9.37	9.80	8.74	79	79
78	79	-	-	-	-	-	-	-	-	-	-	10.50	10.20	78	79
78	78	8.75	8.36	8.65	8.28	8.43	8.13	8.44	8.15	8.76	8.38	9.38	8.61	78	78
77	78	-	-	-	-	-	-	-	-	-	-	-	-	77	78
77	77	-	-	-	-	-	-	-	-	-	-	-	-	77	77

Trading Year	Delivery Year	JULY High	JULY Low	AUGUST High	AUGUST Low	SEPTEMBER High	SEPTEMBER Low	OCTOBER High	OCTOBER Low	NOVEMBER High	NOVEMBER Low	DECEMBER High	DECEMBER Low	Trading Year	Delivery Year
80	80	91.17	90.05	90.40	87.70	88.86	86.65	88.47	86.18	86.16	84.55	83.45	82.00	80	80
79	80	-	-	-	-	-	-	-	-	-	-	10.39	9.84	79	80
79	79	10.67	9.03	11.49	10.13	12.45	11.40	15.40	12.23	15.25	12.92	14.25	13.45	79	79
78	79	10.64	9.70	9.95	9.58	9.75	9.20	10.67	9.47	10.70	9.65	11.00	9.80	78	79
78	78	9.54	8.74	9.10	8.56	9.44	8.65	11.00	9.30	11.74	10.93	11.00	10.08	78	78
77	78	-	-	-	-	7.80	7.75	8.02	7.81	8.15	7.83	8.47	7.89	77	78
77	77	-	-	-	-	6.78	6.30	7.12	6.72	7.01	6.50	6.72	6.55	77	77

CHICAGO BOARD OF TRADE

90-Day Commercial Paper Deliveries Against Futures Commitments (Contracts)

1980

	Mar.	1	June	1	Sept.	1	Dec.	1
1								
2								
3	3	9/13/80						
4								
5								
6								
7								
8								
9								
10								
11			10	5/29/80				
12			2	5/29/80				
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23					2	8/5/80		
24			2	6/11/80				
25								
26								
27	17	2/28/80						
28								
29								
30								
31								
Total	20		14		2		0	

[1] Last date into which commodity was assigned.

COMMERCIAL PAPER – 30 DAY

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2106.01 Price Basis
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Regularity of Vaults

2180.01 Duties of Vault Operators
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2186.01 Regular Depositary Vaults

* These Rules and Regulations were current as of January 1, 1981 when this book went to press. Since amendments are often made to these rules, please contact the Chicago Board of Trade or a firm which is a member of the Chicago Board of Trade before relying on the rules and regulations published in this book.

COMMERCIAL PAPER – 30 DAY

Trading Comditions

2101.00 Authority–(See 1701.00)

2102.01 Application of Regulation–Transactions in 30 day commercial paper futures shall be subject to the general rules of the Association as far as applicable, and shall also be subject to the regulations contained in this chapter which are exclusively applicable to trading in 30 day commercial paper.

2104.01 Unit of Trading–The Unit of trading for commercial paper shall be $3,000,000 (three million dollars), face value or multiples thereof.

2105.01 Months Traded In–Trading in commercial paper may be conducted in any months as determined by the Financial Instruments Committee or the Board.

2106.01 Price Basis–The price basis for commercial paper shall be made in multiples of one one-hundredth (1/100) of one percent of three million dollars on a 30 day basis ($25.00 per contract). Contracts shall not be made on any other price basis.

2107.01 Hours of Trading–The hours of trading for future delivery in 30-Day Commercial Paper shall be determined by the Board. On the last day of trading in an expiring future, the closing time for such future shall be 12:00 noon subject to the provision of the second paragraph of Rule 1007.00. The market shall be opened and closed with a public call made month by month, conducted by such person as the Pit Committee or the Board shall direct.

2108.01 Trading Limits–(See 1008.01)

2108.01A Trading Limits–(See 1008.01A)

2109.01 Last Day of Trading–No trades in commercial paper futures deliverable in current month shall be made during the last seven business days of that month and any contracts remaining open must be settled by delivery or as provided in Regulation 2109.02 after trading in such contracts has ceased.

2109.02 Liquidation in the Last Seven Days of the Delivery Month–After trading in contracts for futured delivery in the current delivery month has ceased in accordance with Regulation 2109.01 of this chapter, outstanding contracts may be liquidated by the delivery of financial receipts, (Regulation 2144.01), or by mutual agreement by means of a bonafide exchange of such current futures for the actual commercial paper or comparable instruments. Such exchange must, in any event, be made no later than the fifth business day immediately preceding the last business day of the delivery month.

2110.01 Margin Requirements–Margin requirements shall be determined by the Board by regulation. (See 431.03)

Delivery Procedures

2136.01 Standards–The contract grade for delivery on futures contracts made under these regulations shall be commercial paper rated A-1 by Standard & Poor's Corporation and Prime-1 by Moody's Investors Service Inc., and approved by the Board or a Committee authorized by the Board as delivery grade on the date of delivery and maturing on a business day not more than 30 days from the date of delivery. Commercial paper which matures on a non-business day is not deliverable. All contract grade commercial paper must be payable at maturity in available funds using as paying agent a federal or state chartered bank with capital (capital, surplus and undivided earnings), in excess of $100,000,000 located in the immediate vicinity of the Exchange.

2136.02 Approved Commercial Paper–(See Appendix 21A)

2142.01 Deliveries on Futures Contracts–Deliveries against 30 day commercial paper futures contracts shall be by financial receipts (Regulation 2144.01), issued by vaults designated by the Board as regular vaults for the storage of commercial paper. Delivery must be made no later than the last business day of the month. Notice of intention to deliver shall be given to the Board of Trade Clearing Corporation by 8:00 p.m. on the second business day preceding delivery day; except that, if delivery is to be made on the last business day of the month, notice of intention to deliver may be given to the Clearing Corporation until 2:00 p.m. on the business day preceding delivery day (Regulation 1049.01).

The short shall invoice the long for three million dollars ($3,000,000) face value on the basis of one-twelfth (1/12) of the annualized discount rate on the day (Position Day) on which notice of intention to deliver is given (Regulation 1049.01). The annualized discount rate is calculated as one hundred minus the settlement price.

All delivers must be assigned by the Clearing Corporation. Where a commission house as a member of the Clearing Corporation has an interest both long and short for customers on its own books, it must tender to the Clearing Corporation such notices of intention to deliver as it received from its customers who are short.

2142.03 Endorsements—In order to effect a valid delivery each receipt must be endorsed by the regular vault (Regulation 2180.01) and by the holder making delivery. Endorsement by the regular vault shall constitute a warranty of the genuineness of the financial receipt. Endorsement by the holder making delivery shall constitute a warranty of good title to the financial receipt.

2143.01 Registration of Financial Receipt—Financial receipts, in order to be eligible for delivery, must be registered with the Official Registrar appointed by the Board. Registration of the receipt must be cancelled by the Registrar before commercial paper can be released from the depositary vault.

2143.02 Deposit of Commercial Paper with Vaults—Commercial paper must be ordered into a regular vault by a clearing member of the Association.

2144.01 Financial Receipts' Format—Financial receipts shall represent the deposit with a regular depositary vault either on one distinct contract grade instrument with a face value of three million dollars ($3,000,000) or of three contract grade instruments, each with a face value of one million dollars ($1,000,000) and of the same issue. The same issue shall herein be defined as the same issuer, maturity and coupon. The financial receipt(s) shall be in the following forms:

Delivery Procedures

Bearer Receipt No. _____ Chicago, Illinois, _____ 19 ____

BOARD OF TRADE OF THE CITY OF CHICAGO
FINANCIAL RECEIPT FOR DELIVERY IN
SATISFACTION OF A CONTRACT FOR
FUTURE DELIVERY OF COMMERCIAL PAPER

RECEIVED from _____(hereinafter called "The Depositor") and stored at the above address in the vaults of the undersigned (hereinafter called "the Vault"), as a bailee, subject to the provisions of Article 7 of the Illinois Uniform Commercial Code and the terms and conditions stated hereon, one instruments (hereinafter called "the Instrument"), in the face amount $1,000,000 and made payable to bearer, identified as follows:

Issuer	Serial No.	Issue Date	Maturity Date

This financial receipt shall not be deliverable in satisfaction of a contract for future delivery either (i) prior to 30 days before the above maturity date of the instrument or (ii) subsequent to such maturity date.

The above identification of the instrument has been recorded by the Vault solely on the basis of the information appearing on the face of the instrument. THE VAULT HAS NOT ASCERTAINED, AND SHALL NOT BE RESPONSIBLE FOR, THE GENUINENESS, VALIDITY, COLLECTIBILITY, WORTH OR ANY ALTERATION OF, OR TITLE TO THE INSTRUMENT.

This financial receipt is being issued by the Vault, at the request of the Depositor, pursuant to the Rules and Regulations of the Board of Trade of the City of Chicago ("the Board") and in reliance on the Board's list of contract grade commercial paper available to the Vault at the time of the issuance hereof, in order to facilitate deliveries against commercial paper future contracts entered into on the Board in receiving and holding the instrument hereupon, and issuing this financial receipt, the Vault is performing solely certain custodial and recordkeeping functions which do not extend in any respect to matters involving the credit of the issuer named above or the rendering of financial or investment advice to the Board, to the Depositor, or to any other holder of this financial receipt.

The Vault may, five (5) days prior to the maturity date of the Instrument or at any time thereafter, at its sole option, present the Instrument for payment to the issuer named above or to such issuer's paying agent; but the Vault shall be under no obligation to do so or to pay any interest on any funds so collected by it or on any funds otherwise at any time received by it as proceeds of the instrument.

The Instrument in the form received by the Vault or any such funds collected or received by the Vault are deliverable at the Vault's address shown hereon to the bearer of this financial receipt upon the surrender to the Vault of this financial receipt, with its registration with the Board cancelled, subject however to the Vault's right to receive at least one business day's advance written notice of any desired withdrawal of the instrument or such funds and subject further to any unavailability thereof while in the process of collection; it being understood that the Vault shall have no duty or obligation to the Depositor or to any other holder from time to time of this financial receipt other than to hold and deliver the instrument or any such funds in accordance with the terms and conditions hereof, and that, in issuing or endorsing this financial receipt or making any delivery of the instrument, the Vault shall not be deemed to make any representations of warranties whatsoever, express or implied, with respect to the instruments except only that, in issuing this financial receipt, the Vault represents that the information appearing on the face of the instrument is as described above. If the bearer hereof shall request that the Vault deliver the instrument or any such funds to any other person or account, any such delivery shall be at the bearer's sole risk and expense.

Delivery Procedures

_____

Vault

Registration By _____

Date _____ Registrar's Number _____

_____

Registrar for Financial Receipts, Board of Trade of the City of Chicago

Cancellation of Registration

Date _____ Registrar _____

ENDORSEMENT

In order to effect a valid delivery in satisfaction of a contract for future delivery, this financial receipt must be endorsed below by the Vault and by the holder making such delivery. By its endorsement below, the Vault shall warrant solely the genuineness of its signature on the face of this financial receipt, and shall not be deemed to make any other representation or warranties whatsoever, express or implied, with respect to this financial receipt or the instrument described herein. Endorsement by the holder making delivery shall constitute a warranty of good title to this financial receipt.

Date	Holder Making Delivery	Date	Vault

(B) Bearer Receipt No. _____ Chicago, Illinois, _____ 19 _____

BOARD OF TRADE OF THE CITY OF CHICAGO
FINANCIAL RECEIPT FOR DELIVERY IN
SATISFACTION OF A CONTRACT FOR
FUTURE DELIVERY OF COMMERCIAL PAPER

RECEIVED from _____ (hereinafter called "the Depositor") and stored at the above address in the vaults of the undersigned (hereinafter called "the Vault"), as a bailee, subject to the provisions of Article 7 of the Illinois Uniform Commercial Code and the terms and conditions stated hereon, one instrument (hereinafter called "the Instrument"), in the face amount of $3,000,000 and made payable to bearer, identified as follows:

Issuer	Serial No.	Issue Date	Maturity Date

This financial receipt shall not be deliverable in satisfaction of a contract for future delivery either (i) prior to 30 days before the above maturity date of the instrument or (ii) subsequent to such maturity date.

The above identification of the Instrument has been recorded by the Vault solely on the basis of the information appearing on the face of the Instrument. THE VAULT HAS NOT ASCERTAINED, AND SHALL NOT BE RESPONSIBLE FOR, THE GENUINENESS, VALIDITY, COLLECTIBILITY, WORTH OR ANY ALTERATION OF, OR TITLE TO, THE INSTRUMENT.

This financial receipt is being issued by the Vault, at the request of the Depositor, pursuant to the Rules and Regulations of the Board of Trade of the City of Chicago ("the Board") and in reliance on the Board's list of contract grade commercial paper available to the Vault at the time of the issuance hereof, in order to facilitate deliveries against commercial paper futures contracts entered into on the Board. In receiving and holding the Instrument hereunder, and issuing this financial receipt, the Vault is performing solely certain custodial and recordkeeping functions which do not extend in any respect to matters involving the credit of the issuer named above or the rendering of financial or investment advice to the Board, to the Depositor, or to any other holder of this financial receipt.

The Vault may, five (5) days prior to the maturity date of the instrument or at any time thereafter, at its sole option, present the instrument for payment to the issuer named above or to such issuer's paying agent; but the Vault shall be under no obligation to do so or to pay any interest on any funds so collected by it or on any funds otherwise at any time received by it as proceeds of the Instrument.

The Instrument in the form received by the Vault or any such funds collected or received by the Vault are deliverable at the Vault's address shown hereon to the bearer of this financial receipt upon the surrender to the Vault of this financial receipt, with its registration with the Board cancelled, subject however to the Vault's right to receive at least one business day's advance written notice of any desired withdrawal of the instrument of such funds and subject further to any unavailability thereof while in the process of collection; it being understood that the Vault shall have no duty or obligation to the Depositor or to any other holder from time to time of this financial receipt other than to hold and deliver the instrument or any such funds in accordance with the terms and conditions hereof, and that, in issuing or endorsing this financial receipt or making any delivery of the instrument, the Vault shall not be deemed to make any representation of warranties whatsoever, express or implied, with respect to the Instrument except only that, in issuing this financial receipt, the Vault represents that the information appearing on the face of the Instrument is as described above. If the bearer hereof shall request that the Vault deliver the Instrument or any such funds to any other person or account, any such delivery shall be at the bearer's sole risk and expense.

_____
Vault

Registration By _____

Date _____ Registrar's Number _____

Registrar for Financial Receipts, Board of Trade of the City of Chicago

Cancellation of Registration

Date _____ Registrar _____

ENDORSEMENTS

In order to effect a valid delivery in satisfaction of a contract for future delivery, this financial receipt must be endorsed below by the Vault and by the holder making such delivery. By its endorsement below, the Vault shall warrant solely the genuineness of its signature on the face of this financial receipt, and shall not be deemed to make any other representations or warranties whatsoever, express or implied, with respect to this financial receipt or the Instrument described herein. Endorsement by the holder making delivery shall constitute a warranty of good title to this financial receipt.

Date	Holder Making Delivery	Date	Vault

2146.01 Date of Delivery—Delivery of financial receipts may be made by the short upon any permissible delivery day of the delivery month the short may select. Delivery of financial receipts must be made no later than the last business day of the month.

2147.00 Delivery Notice—(See 1047.00)

2147.01 Delivery Notices—(See 1047.01)

2148.00 Method of Delivery—(See 1048.00)

2149.00 Time of Delivery, Payment, Form of Delivery Notice—(See 1049.00)

2149.02 Buyers' Report of Eligibility to Receive Delivery—(See 1049.02)

2149.03 Seller's Invoices to Buyers—Upon determining the buyers obligated to accept deliveries tendered by issuers of delivery notices, the Clearing House shall promptly furnish each issuer the names of the buyers obligated to accept delivery from him and a description of each commodity tendered by him which was assigned by the Clearing House to each such buyer. Thereupon, sellers (issuers of delivery notices) shall prepare invoices addressed to their assigned buyers, describing the documents to be delivered to each such buyer. Such invoices shall show the amount which buyers must pay to sellers in settlement of the actual deliveries, based on the delivery prices established by the Clearing House, and adjusted for applicable interest payments. Such invoices shall be delivered to the Clearing House by 2:00 p.m. on the day of intention, except on the last intention day of the month, where such invoices shall be delivered to the Clearing House by 3:00 p.m. Upon receipt of such invoices, the Clearing House shall promptly make them available to buyers to whom they are addressed, by placing them in buyers' mail boxes provided for that purpose in the Clearing House.

2149.04 Payment—All payments shall be in accordance with Regulation 1049.04 and shall be in U.S. currency.

2150.00 Duties of Members—(See 1050.00)

2151.01 Office Deliveries Prohibited—(See 1051.01)

2154.00 Failure to Accept Delivery—(See 1054.00)

2156.01 Charges—The party depositing commercial paper in a regular vault against issuance of a financial receipt shall pay (to the regular vault) all charges associated with the financial receipt before issuance of the receipt.

This financial receipt is being issued by the Vault, at the request of the Depositor, pursuant to the Rules and Regulations of the Board of Trade of the City of Chicago ("the Board") and in reliance on the Board's list of contract grade commercial paper available to the Vault at the time of the issuance hereof, in order to facilitate deliveries against commercial paper futures contracts entered into on the Board. In receiving and holding the instrument hereunder and issuing this financial receipt, the Vault is performing solely certain custodial and recordkeeping functions which do not extend in any respect to matters involving the credit of the issuer named above or the rendering of financial or investment advice to the Board, to the Depositor, or to any other holder of this financial receipt.

The Vault may, five (5) days prior to the maturity date of the Instruments or at any time thereafter, at its sole option, present the Instrument for payment to the issuer named above or to such issuer's paying agent, but the Vault shall be under no obligation to do so or to pay any interest on any funds so collected by it or on any funds otherwise at any time received by it as proceeds of the Instrument.

The Instrument in the form received by the Vault or any such funds collected or received by the Vault are deliverable at the Vault's address shown hereon to the bearer of this financial receipt upon the surrender to the Vault of this financial receipt, with its registration with the Board cancelled, subject however to the Vault's right to receive at least one business day advance written notice of any desired withdrawal of the Instrument or such funds and subject further to any unavailability thereof while in the process of collection; it being understood that the Vault shall have no duty or obligation to the Depositor or to any other holder from time to time of this financial receipt other than to hold and deliver the Instrument or any such funds in accordance with the terms and conditions hereof, and that, in issuing or endorsing this financial receipt or making any delivery of the Instrument, the Vault shall not be deemed to make any representation of warranties whatsoever, expressed or implied, with respect to the Instrument except only that, in issuing this financial receipt, the Vault represents that the information appearing on the face of the Instrument is as described above. If the bearer hereof shall request that the Vault deliver the Instrument or any such funds to any other person or account, any such delivery shall be at the bearer's sole risk and expense.

_____
Vault

Registration By _____

Date _____ Registrar's Number _____

Registration for Financial Receipts, Board of Trade of the City of Chicago

Cancellation of Registration

Date _____ Registrar _____

Regularity of Vaults

2180.01 Duties of Vault Operators—It shall be the duty of the operators of all regular vaults:

(a) To accept commercial paper for delivery on Chicago Board of Trade contracts, provided such commercial paper is ordered into the vault by a clearing member of the Association.

(b) To notify the Board of Trade of any change in the financial or other condition of their vaults.

(c) To release to the bearer of the receipt the commercial paper covered by said receipt upon presentation of the cancelled receipt no later than the business day following compliance with these provisions.

(d) To keep in safekeeping the commercial paper represented by the financial receipt.

2181.01 Conditions of Regularity—Persons operating depositary vaults who desire to have such vaults made regular for delivery of commercial paper under the Rules and Regulations shall make application for Declaration of Regularity on a form prescribed by the Board for a term expiring the next succeeding June 30. Regularity shall be effective 30 days after all terms and conditions have been met and notice to that effect has been posted on the bulletin board of the Association. Applications for renewal of regularity must be made prior to June 15 in each year for the year beginning July 1, and shall be on the same form. The following shall constitute the requirements and conditions for regularity.

(1) The Board shall cause the vault making application to be inspected.

(2) The operator of such vault must be a U.S. Bank (either federal or state charter) or a corporation that acts in fiduciary capacity with capital (capital, surplus and undivided earnings) in excess of $100,000,000. The Board may require the operator of the vault to file a bond with sufficient sureties in such sum and subject to such conditions as the Board sees fit.

(3) Such vault shall be provided with standard equipment and appliances for the convenient and safe storage of commercial paper and shall provide for proper security.

(4) The operator of such vault shall cooperate with the system of registration of receipts and furnish to the Registrar of such receipts all needed information to enable him to keep a correct record and account of all commercial paper received and delivered by them daily and of that remaining in store at the close of each week.

(5) The operator of such vault shall accord every facility to any duly authorized committee for the examination of its books or records for the purpose of ascertaining the stocks of commercial paper. The Board shall have the authority to employ experts to determine the quantity and quality of commercial paper in said vault and to compare the books and records of said vault with the records of the Official Registrar of Financial receipts.

(6) No vault shall be deemed suitable to be declared regular if its location, accessibility, tariffs, or other qualifications shall depart from uniformity to the extent that its receipts as tendered in satisfaction of futures contracts impair the efficacy of futures trading in this market, or if the operator of such vault engages in unethical or inequitable practices, and may be deemed unsuitable if the operator fails to comply with any laws, Federal or State, or Rules or Regulations promulgated under those laws.

(7) The operator shall make such reports, keep such records, and permit such vault visitation as the Board of Trade may prescribe, and shall comply with all applicable Rules and Regulations.

(8) Vaults must be located in the United States.

(9) Vault operator shall maintain, in the immediate vicinity of the Exchange, either an office, or a correspondent bank approved by the Exchange, where owners of financial receipts may surrender financial receipts in exchange for commercial paper.

2184.01 **Revocation of Regularity**—Any regular vault may be declared by the Board to be irregular at any time if it does not comply with the conditions above set forth, or fails to carry out its prescribed duties. If the designation of a vault as regular shall be revoked by the Board, the Board shall announce such revocation on a bulletin board and also the period of time, if any, during which the receipts issued by such vault shall thereafter be deliverable in satisfaction of futures contracts in commercial paper.

2185.01 **Application for Declaration of Regularity**—All applications by operators of vaults for a Declaration of Regularity under Regulation shall be in the following form:

APPLICATION FOR A DECLARATION OF REGULARITY FOR THE STORAGE OF COMMERCIAL PAPER UPON CONTRACTS FOR FUTURE DELIVERY OF 30 DAY COMMERCIAL PAPER UNDER THE CHARTER, RULES AND REGULATIONS OF THE BOARD OF TRADE OF THE CITY OF CHICAGO

Board of Trade of the City of Chicago
141 West Jackson Boulevard
Chicago, Illinois 60604

Gentlemen:

_____(hereinafter called

vaults), located at _____

and incorporated under the laws of _____,

does hereby make application to the Board of Trade of the City of Chicago for a Declaration of Regularity to handle, receive and store such instruments that qualify for future delivery of commercial paper for a period beginning _____

and ending midnight June 30, 19____.

CONDITIONS OF REGULARITY

Such Declaration of Regularity if granted, shall be cancellable by the Board of Trade of the City of Chicago hereafter referred to as the "Exchange" whenever the following conditions shall not be observed:

1. The Vault must:
   (1) give such bonds to the Exchange as may be reasonably required by the Board of Directors thereof.
   (2) notify the Exchange promptly of any material change in ownership, financial or other conditions of its premises.
   (3) make such reports, keep such records, and permit such inspections as the Exchange may reasonably prescribe.
   (4) comply with all applicable Rules and Regulations of the Exchange; and comply with all requirements of the Exchange permitted or required by such Rules and Regulations.
2. The Vault must be:
   (1) located within the United States.
   (2) properly safeguarded and equipped to provide safe and convenient storage of commercial paper.

Comml Paper 30 Futures Prices

Open, High, Low and Close
Index

Jan	March 1980 Open	High	Low	Close		June 1980 Open	High	Low	Close		September 1980 Open	High	Low	Close	
1	HOLIDAY														
2				87.25b	87.40a				88.25b	88.60a					
3				87.25b	87.29a				88.50b	88.54a					
4				87.00b	87.04a				88.30b	88.50a					
7				86.90b	86.94a				88.20b	88.40a					
8				87.30b					88.60b						
9	87.80	87.80	87.75	87.75a					88.80b						
10	88.10	88.10h	88.10	88.10					89.00b	89.10a					
11				87.60a					88.55a						
14				87.80a					88.90a						
15				87.30b	87.60a				88.70b						
16				87.30b	87.60a				88.45b	88.90a					
17				87.40b	87.70a	88.80	88.80h	88.80	88.80		89.60	89.60h	89.60	89.60	
18	87.60	87.60	87.60	87.60		88.60	88.60	88.60	88.60					89.40a	
21	87.40	87.40	87.40	87.40		88.40	88.40	88.40	88.40					89.20a	
22				87.46b					88.50b					89.30b	
23				87.44b	87.46a				88.60b					89.40b	
24	87.27	87.30	87.27L	87.30b					88.30b	88.40a				89.10b	89.20a
25				86.87b	87.15a	88.00	88.00	88.00L	88.00		88.80	88.80	88.80L	88.80	
28				87.15a					88.05a					88.80a	
29				86.71a					87.70a					88.40a	
30				86.70b	87.10a				87.65b	87.67a				88.17b	88.37a
31				86.80b					87.55b					88.05b	

Comml Paper 30 Volume Of Sales

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	Total
1	HOLIDAY			
2				
3				
4				
7				
8				
9	2			2
10	5h			5h
11				
14				
15				
16				
17		1h	1h	2
18	1L	1		2
21	1	1		2
22				
23				
24	1			1L
25		1	1	2
28				
29				
30				
31				
Total	10	4	2	16

Comml Paper 30 Open Contracts

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	Total
1	HOLIDAY			
2	12h			12h
3	12			12
4	12			12
7	12			12
8	12			12
9	12			12
10	9			9
11	9			9
14	9			9
15	9			9
16	9			9
17	9	1L	1h	11
18	9	2h	1	12
21	8L	1	1	10
22	8	1	1	10
23	8	1	1	10
24	8	1	1	10
25	8			8L
28	8			8
29	8			8
30	8			8
31	8			8

h = high L = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices

Open, High, Low and Close
Index

	March 1980				June 1980				September 1980			
Feb	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
1				86.60b				87.30b				87.60b
4				86.60b				87.30b				87.60b
5				86.50b				87.20b				87.50b
6				86.50b				87.20b				87.50b
7				86.55b				87.25b				87.55b
8				86.60b				87.20b				87.55b
11				86.60b				87.20b 87.22a				87.55b 87.59a
12				86.50a				86.90a				87.15a
13				86.45b				86.85b				87.10b
14				86.45b				86.85b				87.10b
15	85.95	85.95h	85.95	85.95				86.35a				86.60a
18	HOLIDAY											
19				85.45b 85.65a				85.85a				86.10a
20				85.60b				85.95b				86.20b
21				85.20a				85.55a				85.80a
22				85.30b				85.45b				85.70b
25	85.35	85.35	85.30	85.30				85.45b				85.70b
26	85.20	85.20	85.20L	85.20				85.42a				85.68a
27				85.20b				85.42b				85.68b
28				85.00b 85.40a				85.20b 85.60a				85.50b 85.80a
29				84.90a				85.10a				85.40a

Comml Paper 30 Volume Of Sales

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	Total
1				
4				
5				
6				
7				
8				
11				
12				
13				
14				
15	2L			2L
18	HOLIDAY			
19				
20				
21				
22				
25	3h			3h
26	3			3
27				
28				
29				
Total	8			8

Comml Paper 30 Open Contracts

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	Total
1	8h			8h
4	8			8
5	8			8
6	8			8
7	8			8
8	8			8
11	8			8
12	8			8
13	8			8
14	8			8
15	7			7
18	HOLIDAY			
19	7			7
20	7			7
21	7			7
22	7			7
25	4			4
26	1L			1L
27				
28				
29				

h = high L = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices

Open, High, Low and Close
Index

Mar	March 1980 Open	High	Low	Close	June 1980 Open	High	Low	Close	September 1980 Open	High	Low	Close
3				84.90a				84.60a				84.90a
4				84.70a				84.40a				84.70a
5				84.90a				84.60a				84.90a
6				84.00a				84.50a				84.90a
7				84.20a				84.70a				85.00a
10				84.50b				85.00b				85.30b
11				84.50a				85.00a				85.30a
12				83.80a	84.50	84.50h	84.50	84.50	85.45	85.45	85.45	85.45
13				83.80a				84.35a	85.30	85.30	85.30	85.30
14				83.60a				84.00a	85.15	85.15	84.95	84.95a
17				83.90b				84.30b				85.25b
18				84.20b				84.60b				85.55b
19				84.20a				84.60a	85.55	85.55h	85.55	85.55
20				83.80a	84.10	84.10	84.10	84.10	85.05	85.05	85.05	85.05
21								83.90a				84.95a
24					83.80	83.80	83.75	83.75a	84.85	84.85	84.80	84.80a
25								83.85b				84.90b
26								83.85b				84.90b
27					83.66	83.66	83.66L	83.66	84.70	84.70	84.70L	84.70
28					83.96	83.96	83.96	83.96	85.00	85.00	85.00	85.00
31								83.96b				85.00b

Mar	December 1980 Open	High	Low	Close	
3					
4					
5					
6					
7					
10					
11					
12	86.15	86.15	86.15	86.15	
13	86.00	86.00	86.00	86.00	
14	85.85	85.85	85.65	85.65a	
17				85.95b	
18				86.25b	
19	86.25	86.25h	86.25	86.25	
20				86.00a	
21				85.90a	
24	85.55	85.55	85.50L	85.50a	
25				85.60b	
26				85.60b	
27				85.10b	85.40a
28				85.10b	85.40a
31				85.10b	85.40a

Comml Paper 30 Volume Of Sales

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	Total
3					
4					
5					
6					
7					
10					
11					
12		1L	2	1L	4
13			3h	3h	6h
14			1L	1	2L
17					
18					
19			2	2	4
20		1	1		2
21					
24		1	3	2	6
25					
26					
27		2h	2		4
28		1	1		2
31					
Total		6	15	9	30

Comml Paper 30 Open Contracts

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	Total
3					
4					
5					
6					
7					
10					
11					
12		1h	2h	1h	4h
13		1	1L		2L
14		1	2	1	4
17		1	2	1	4
18		1	2	1	4
19		1	2	1	4
20			1	1	2
21			1	1	2
24		1	1		2
25		1	1		2
26		1	1		2
27		1	1		2
28					
31					

h = high L = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices

Open, High, Low and Close
Index

	June 1980				September 1980					December 1980				
Apr	Open	High	Low	Close	Open	High	Low	Close		Open	High	Low	Close	
1				83.66a				84.70a					85.25a	
2				83.45a				84.50a					85.05a	
3				83.45b				84.50b					85.05b	
4	HOLIDAY													
7				83.95b				85.00b					85.55b	
8				84.05b				84.60b	85.00a				85.65b	
9				84.05b	84.45a			84.60b	85.00a				85.65b	86.05a
10				84.75b				85.30b					86.35b	
11				84.50b				85.40b					86.35b	
14				84.30b				85.20b					86.15b	
15				84.30b				85.20b					86.15b	
16				84.80b				85.30b					86.00b	
17				85.00b				85.30b					86.00b	
18				85.15b				85.45b					86.15b	
21				85.65b				85.95b					86.65b	
22				86.15b				86.45b					87.05b	
23				86.65b				86.80b					87.25b	
24				86.95a				87.10b					87.55b	
25				86.95n				87.10n					87.55n	
28				87.45b				87.60b					88.05b	
29				87.65n				87.80n					88.25n	
30				87.65b				87.80b					88.25b	

Comml Paper 30 Volume Of Sales

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	Total
1				
2				
3				
4	HOLIDAY			
7				
8				
9				
10				
11				
14				
15				
16				
17				
18				
21				
22				
23				
24				
25				
28				
29				
30				
Total				

Comml Paper 30 Open Contracts

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	Total
1				
2				
3				
4	HOLIDAY			
7				
8				
9				
10				
11				
14				
15				
16				
17				
18				
21				
22				
23				
24				
25				
28				
29				
30				

h = high l = low a = asked b = bid n = nominal

Comml paper 30 Futures Prices

Open, High, Low and Close
Index

May	June 1980 Open	High	Low	Close	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close
1				87.65b				87.80b				88.25b
2				88.00b				87.80b				88.25b
5				88.40b				87.80b				88.25b
6				88.90b				88.30b				88.75b
7				89.40b				88.80b				89.25b
8				89.80b				89.30b				89.35b
9				89.80b				89.80b				89.35b
12				90.00b				89.95b				89.45b
13				90.00a				89.95a				89.45a
14				90.00b				89.95b				89.45b
15				89.50a				89.45a				88.95a
16				89.00a				88.95a				88.45a
19				89.00a				88.95a				88.45a
20				89.00b				88.95b				88.45b
21				89.10b				89.05b				88.55b
22				89.20b				89.15b				88.65b
23				89.70b				89.65b				89.15b
26	HOLIDAY											
27				90.20b				90.15b				89.65b
28				90.50a				90.45a				89.95a
29				90.35a				90.30a				89.80a
30				90.25a				90.20a				89.70a

Comml paper 30 Volume Of Sales

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	Total
1				
2				
5				
6				
7				
8				
9				
12				
13				
14				
15				
16				
19				
20				
21				
22				
23				
26	HOLIDAY			
27				
28				
29				
30				
Total				

Comml paper 30 Open Contracts

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	Total
1				
2				
5				
6				
7				
8				
9				
12				
13				
14				
15				
16				
19				
20				
21				
22				
23				
26	HOLIDAY			
27				
28				
29				
30				

h = high L = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices

Open, High, Low and Close
Index

	June 1980				September 1980					December 1980				
Jun	Open	High	Low	Close	Open	High	Low	Close		Open	High	Low	Close	
2				90.25a	90.20	90.21	90.20L	90.21					89.70a	
3				90.55b				90.51b					90.00b	
4				90.65b				90.61b					90.10b	
5				91.25b				90.75b					90.60b	
6				91.50b				91.25b					91.10b	
9				91.90b				91.65b					91.50b	
10				91.60a				91.35a					91.20a	
11				91.80b				91.55b					91.40b	
12				91.80b				91.55b					91.40b	
13				91.90b				91.65b					91.50b	
16				91.75a				91.50a					91.35a	
17				91.55a				91.30a					91.15a	
18				91.55a				91.30a					91.15a	
19				91.75n				91.30a					91.15a	
20								91.60b					91.45b	
23								91.30a					91.15a	
24								91.30a					91.15a	
25								91.30b	91.50a				91.00b	91.20a
26								91.30b	91.50a				91.00b	91.20a
27					91.30	91.31h	91.30	91.31					91.00b	91.20a
30								91.35b					91.20b	

Comml Paper 30 Volume Of Sales

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	Total
2		2h		2h
3				
4				
5				
6				
9				
10				
11				
12				
13				
16				
17				
18				
19				
20				
23				
24				
25				
26				
27		2		2
30				
Total		4		4

Comml Paper 30 Open Contracts

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	Total
2				
3				
4				
5				
6				
9				
10				
11				
12				
13				
16				
17				
18				
19				
20				
23				
24				
25				
26				
27				
30				

h = high L = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices

Open, High, Low and Close

Index

Jul	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close	
1				91.25a				91.19b	91.21a
2				91.30b				91.25b	
3				91.50b				91.45b	
4	HOLIDAY								
7				91.10a				91.05a	
8				91.50b				91.45b	
9				91.40a				91.35a	
10				91.30b 91.60a				91.20b	91.60a
11				91.30a				91.20a	
14				91.30a				91.20a	
15				91.60b				91.50b	
16				91.60b				91.50b	
17	91.61 91.60	91.61	91.60L	91.61 91.60				91.50b	
18	91.61	91.62	91.61	91.62				91.50n	
21				91.82n				91.70n	
22				91.72a				91.60a	
23				91.72a				91.60a	
24	91.68	91.69h	91.68	91.69				91.60a	
25				91.69a				91.60a	
28				91.46n				91.40n	
29				91.46n				91.40n	
30				91.46n				91.40n	
31				91.16n				91.10n	

Comml Paper 30 Volume Of Sales

Reported in Contracts

Jul	1980 Sep	1980 Dec	Total
1			
2			
3			
4	HOLIDAY		
7			
8			
9			
10			
11			
14			
15			
16			
17	2h		2h
18	2		2
21			
22			
23			
24	2		2
25			
28			
29			
30			
31			
Total	6		6

Comml Paper 30 Open Contracts

Reported in Contracts

Jul	1980 Sep	1980 Dec	Total
1			
2			
3			
4	HOLIDAY		
7			
8			
9			
10			
11			
14			
15			
16			
17			
18			
21			
22			
23			
24			
25			
28			
29			
30			
31			

h = high L = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices

Open, High, Low and Close
Index

	September 1980				December 1980			
Aug	Open	High	Low	Close	Open	High	Low	Close
1	91.12	91.13h	91.12L	91.13				91.07n
4				91.13n				91.07n
5				91.13n				91.07n
6				91.23n				91.17n
7				91.23n				91.17n
8				90.93n				90.87n
11				90.73n				90.67n
12				90.93n				90.87n
13				90.93n				90.87n
14				90.93n				90.87n
15				90.93n				90.87n
18				90.43n				90.37n
19				89.93a				89.87a
20				89.93n				89.87n
21				89.53n				89.47n
22				89.53n				89.47n
25				89.13n				89.07n
26				89.13n				89.07n
27				89.13n				89.07n
28				88.83n				88.77n
29				89.23n				89.17n

Comml Paper 30 Volume Of Sales

Reported in Contracts

Aug	1980 Sep	1980 Dec	Total
1	2h		2h
4			
5			
6			
7			
8			
11			
12			
13			
14			
15			
18			
19			
20			
21			
22			
25			
26			
27			
28			
29			
Total	2		2

Comml Paper 30 Open Contracts

Reported in Contracts

Aug	1980 Sep	1980 Dec	Total
1			
4			
5			
6			
7			
8			
11			
12			
13			
14			
15			
18			
19			
20			
21			
22			
25			
26			
27			
28			
29			

h = high L = low a = asked b = bid n = nominal

Commi Paper 30 Futures Prices

Open, High, Low and Close
Index

Sep	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close
1	HOLIDAY							
2				89.48n				89.42n
3				89.50n				89.50n
4				89.50n				89.50n
5				89.50n				89.50n
8				89.50n				89.50n
9				89.50n				89.50n
10				89.50n				89.50n
11				89.50n				89.50n
12				89.50n				89.50n
15				89.50n				89.50n
16				89.50n				89.50n
17				89.50n				89.50n
18				89.50n				89.50n
19				89.50n				89.50n
22								89.00a
23					89.01	89.00	89.01h	89.00L 89.00a
24								89.00a
25								88.50a
26								88.25a
29								87.75a
30								87.50a

Commi Paper 30 Volume Of Sales

Reported in Contracts

Sep	1980 Sep	1980 Dec	Total
1	HOLIDAY		
2			
3			
4			
5			
8			
9			
10			
11			
12			
15			
16			
17			
18			
19			
22			
23		2h	2h
24			
25			
26			
29			
30			
Total		2	2

Commi Paper 30 Open Contracts

Reported in Contracts

Sep	1980 Sep	1980 Dec	Total
1	HOLIDAY		
2			
3			
4			
5			
8			
9			
10			
11			
12			
15			
16			
17			
18			
19			
22			
23			
24			
25			
26			
29			
30			

h = high l = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices

Open, High, Low and Close
Index

December 1980

Oct	Open	High	Low	Close	
1				87.40a	
2				87.40a	
3				87.40a	
6				87.80b	
7				87.70a	
8				87.70a	
9				87.75a	
10				87.65a	
13				87.65n	
14	87.86	87.86h	87.85L	87.85	
15				88.25n	
16				88.00a	
17				87.50a	
20				87.50b	88.00a
21				87.75n	
22				87.75n	
23				87.75n	
24				87.75n	
27				87.37b	87.62a
28				87.37b	87.62a
29				87.37a	
30				87.17a	
31				87.17n	

Comml Paper 30 Volume Of Sales

Reported in Contracts

Oct	1980 Dec	Total
1		
2		
3		
6		
7		
8		
9		
10		
13		
14	1h	1h
15		
16		
17		
20		
21		
22		
23		
24		
27		
28		
29		
30		
31		
Total	1	1

Comml Paper 30 Open Contracts

Reported in Contracts

Oct	1980 Dec	Total
1		
2		
3		
6		
7		
8		
9		
10		
13		
14		
15		
16		
17		
20		
21		
22		
23		
24		
27		
28		
29		
30		
31		

h = high L = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices

Open, High, Low and Close
Index

December 1980

Nov	Open	High	Low	Close	
3				87.00a	
4	HOLIDAY				
5				86.75a	
6				86.50a	
7				86.75b	
10				86.25a	
11				86.25n	
12				86.25n	
13				85.75b	86.25a
14				85.63b	86.13a
17				85.38a	
18				85.50b	
19				85.00a	
20				85.00n	
21				84.65a	
24				84.65a	
25				84.65n	
26				84.65n	
27	HOLIDAY				
28				84.65n	

Comml Paper 30 Volume Of Sales

Reported in Contracts

Nov	1980 Dec	Total
3		
4	HOLIDAY	
5		
6		
7		
10		
11		
12		
13		
14		
17		
18		
19		
20		
21		
24		
25		
26		
27	HOLIDAY	
28		
Total		

Comml Paper 30 Open Contracts

Reported in Contracts

Nov	1980 Dec	Total
3		
4	HOLIDAY	
5		
6		
7		
10		
11		
12		
13		
14		
17		
18		
19		
20		
21		
24		
25		
26		
27	HOLIDAY	
28		

h = high l = low a = asked b = bid n = nominal

Comml Paper 30 Futures Prices
Open, High, Low and Close
Index

December 1980

Dec	Open	High	Low	Close	
1				83.50a	
2				82.50b	83.25a
3				82.50b	83.25a
4				82.75n	
5				82.00n	
8				82.00n	
9				81.50a	
10				81.25a	
11				81.00a	
12				81.00a	
15				80.50a	
16				80.50n	
17				80.25a	
18				80.25n	

Comml Paper 30 Volume Of Sales
Reported in Contracts

Dec	1980 Dec	Total
1		
2		
3		
4		
5		
8		
9		
10		
11		
12		
15		
16		
17		
18		
25	HOLIDAY	
26	HOLIDAY	
Total		

Comml Paper 30 Open Contracts
Reported in Contracts

Dec	1980 Dec	Total
1		
2		
3		
4		
5		
8		
9		
10		
11		
12		
15		
16		
17		
18		
25	HOLIDAY	
26	HOLIDAY	

h = high L = low a = asked b = bid n = nominal

March Delivery

Trading	Delivery	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	90.65	89.57	91.65	90.60	91.30	90.57	90.60	89.55	89.80	89.00	79-80	80

Trading	Delivery	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	87.50	87.50	87.40	87.25	88.52	88.40	88.10	87.27	85.95	85.20	-	-	79-80	80

June Delivery

Trading	Delivery	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	-	-	-	-	-	-	87.90	87.70	89.30	88.90	79-80	80

Trading	Delivery	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	88.80	68.00	-	-	84.50	83.66	-	-	-	-	-	-	79-80	80

September Delivery

Trading	Delivery	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	-	-	-	-	89.60	88.80	-	-	85.55	84.70	79-80	80
78-79	79	-	-	-	-	-	-	-	-	-	-	-	-	78-79	79

Trading	Delivery	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
79-80	80	-	-	-	-	91.31	90.20	91.69	91.60	91.13	91.12	-	-	79-80	80
78-79	79	-	-	90.34	89.50	91.09	90.00	90.94	89.70	89.85	88.65	88.70	88.50	78-79	79

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Monthly Range of Futures Prices
Index

October Delivery

Trading	Delivery	NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		APRIL		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
78-79	79													78-79	79

Trading	Delivery	MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
78-79	79	90.32	89.55	91.05	90.13	90.92	89.82	90.00	88.83	88.88	88.50			78-79	79

November Delivery

Trading	Delivery	DECEMBER		JANUARY		FEBRUARY		MARCH		APRIL		MAY		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
78-79	79											90.27	89.56	78-79	79

Trading	Delivery	JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
78-79	79	91.04	90.25	91.10	89.77	90.09	89.70	88.90	88.49	85.82	85.80	86.77	85.80	78-79	79

December Delivery

Trading	Delivery	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	80					86.25	85.50							80	80
79	79									90.60	89.63	91.20	90.65	79	79

Trading	Delivery	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	80					89.01	89.00	87.86	87.85					80	80
79	79	91.30	90.40	90.25	89.08	89.00	88.27	88.02	85.40	87.00	85.45	87.25	87.25	79	79

CHICAGO BOARD OF TRADE

30-Day Commercial Paper Deliveries Against Futures Commitments (Contracts)

1980

	Mar.	1	June	1	Sept.	1	Dec.	1
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Total	0		0		0		0	

[1] Last date into which commodity was assigned.

Section 4
Treasury Note Futures

Treasury notes are a key element of the U.S. government's financing program. They are direct obligations of the Treasury and constitute a large percentage of the government's outstanding debt. With the vast increase in U.S. debt, significant changes have taken place in the maturity composition of treasury debt, increasing the share of notes in the total debt structure. Currently, 66% of the marketable U.S. Treasury debt is in notes.

Treasury notes are negotiable instruments with maturities of 1-10 years. T-note futures are futures contracts calling for delivery of 4-6 year U.S. Treasury notes. The contract offers all holders of intermediate-term government securities the opportunity to hedge intermediate interest rate risks. Bond and note dealers, banks, other appropriate financial institutions, and individuals may use T-note futures to protect themselves against the adverse effects of a changing yield environment. It can also provide them with the opportunity to lock in yields on future note purchases.

Since the beginning of trading in June of 1979, Treasury note futures have been regarded as one of the promising futures markets for the eighties. The vast size of the cash market promises large growth and high-volume potential in the future. The basic trading unit is a U.S. Treasury note and non-callable bond of $100,000 principle balance with a coupon rate of 8%. The deliverable grade is a U.S. Treasury note with maturity no less than four years and no greater than six years from the date of delivery. Price quotations are on a percentage of par, with a minimum price fluctuation of 1/32 of a point or $31.25 per contract.

U.S. Treasury Notes

Trading Conditions

2201.00	Authority
2202.01	Application of Regulation
2203.01	Emergencies, Acts of God, Acts of Government
2204.01	Unit of Trading
2205.01	Months Traded In
2206.01	Price Basis
2207.01	Hours of Trading
2208.01	Trading Limits
2208.01A	Trading Limits
2209.01	Last Day of Trading
2209.02	Liquidation in the Last Seven Days of the Delivery Month
2210.01	Margin Requirements

Delivery Procedures

2236.01	Standards
2242.01	Deliveries on Futures Contracts
2242.02	Wire Failure
2246.01	Date of Delivery
2247.00	Delivery Notice
2247.01	Delivery Notices
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2249.00	Time of Delivery, Payment, Form of Delivery Notice
2249.02	Buyers' Report of Eligibility to Receive Delivery
2249.03	Sellers' Invoice to Buyers
2249.04	Payment
2250.00	Duties of Members
2251.01	Office Deliveries Prohibited
2254.00	Failure to Accept Delivery

Regularity of Banks

2280.01	Banks

* These Rules and Regulations were current as of January 1, 1981 when this book went to press. Since amendments are often made to these rules, please contact the Chicago Board of Trade or a firm which is a member of the Chicago Board of Trade before relying on the rules and regulations published in this book.

U.S. TREASURY NOTES

Trading Conditions

2201.00 Authority—(See 1701.00)

2202.01 Application of Regulation—Futures transactions in U.S. Treasury Notes shall be subject to the general rules of the Association as far applicable and shall also be subject to the regulations contained in this chapter, which are exclusively applicable to trading in U.S. Treasury Notes.

2203.01 Emergencies, Acts of God, Acts of Government—If the delivery or acceptance or any precondition or requirement of either is prevented by strike, fire, accident, act of government, act of God or other emergency, the seller or buyer shall immediately notify the Chairman. If the Chairman determines that emergency action may be necessary, he shall call a special meeting of the Board and arrange for the presentation of evidence respecting the emergency condition. If the Board determines that an emergency exists, it shall take such action under Rule 180.00 as it deems necessary under the circumstances and its decision shall be binding upon all parties to the contract. For example, and without limiting the Board's power, it may extend delivery dates and designate alternative delivery points in the event of conditions interfering with the normal operations of approved facilities.

In the event the Board determines that there exists a shortage of deliverable U.S. Treasury Notes, it may, upon a two-thirds vote under Rule 180.00, take such action as may be in the Board's sole discretion appear necessary to prevent, correct or alleviate the condition. Without limiting the foregoing or the authority of the Board under Rule 180.00, the Board may:

(1) designate as deliverable, callable U.S. Treasury Bonds otherwise meeting the specifications and requirements stated in this chapter;

(2) designate as deliverable one or more issues of U.S. Treasury Notes and/or U.S. Treasury Bonds having maturities shorter than four years or longer than six years and otherwise meeting the specifications and requirements stated in this chapter; and/or

(3) determine a cash settlement based on the current cash value of an 8% coupon rate, four-to-six year U.S. Treasury Notes, as determined by using the current cash market yield curve for U.S. Treasury securities on the last day of trading.

2204.01 Unit of Trading—The unit of trading shall be United States Treasury notes having a face value of maturity of one hundred thousand dollars ($100,000) or multiples thereof.

2205.01 Months Traded in—The months listed for trading are March, June, September and December.

2206.01 Price Basis—Minimum price fluctuations shall be in multiples of one thirty-second (1/32) point per 100 points ($31.25 per contract). Par shall be on the basis of 100 points. Contracts shall not be made on any other price basis.

2207.01 Hours of Trading—The hours of trading for future delivery in U.S. Treasury Notes shall be determined by the Board. On the last day of trading in an expiring future, the closing time for such future shall be 12:00 noon subject to the provision of the second paragraph of Rule 1007.00. The market shall be opened and closed with a public call made month by month, conducted by such persons as the Pit Committee or the Board shall direct.

2208.01 Trading Limits—(See 1008.01)

2208.01A Trading Limits—(See 1008.01A)

2209.01 Last Day of Trading—No trades in U.S. Treasury Note futures deliverable in the current month shall be made during the last seven business days of that month and any contracts remaining open must be settled by delivery or as provided in Regulation 2209.02 after trading in such contracts has ceased.

2209.02 Liquidation in the Last Seven Days of the Delivery Month—After trading in contracts for future delivery in the current delivery month has ceased in accordance with Regulation 2209.01 of this chapter, outstanding contracts may be liquidated by the delivery of book-entry U.S. Treasury Notes or Bonds (Regulation 2242.01) or by mutual agreement by means of a bona fide exchange of such current futures of the actual U.S. Treasury Notes or Bonds or comparable instruments. Such exchange must, in any event, be made no later than the fifth business day immediately preceding the last business day of the delivery month.

2210.01 Margin Requirements—Margin requirements shall be determined by the Board by regulation. (See 431.03)

Delivery Procedures

2236.01 Standards—The contract grade for delivery on futures contracts made under these regulations shall be U.S. notes and non-Callable U.S. bonds which have an actual maturity of not less than four years and not more than six years. All notes or bonds delivered against a contract must be of the same issue. For settlement, the time to maturity of a given issue is calculated in complete three month increments (i.e. 4 years and 5 months is taken to be 4 years and 1 quarter) from the first day of the delivery month. The price at which a note or bond with this time to maturity and with the same coupon rate as this issue will yield 8%, according to bond tables prepared by the Financial Publishing Co. of Boston, Mass., is multiplied by the settlement price to arrive at the amount which the short invoices the long.

Interest accrued in the notes shall be charged to the long by the short in accordance with Department of the Treasury Circular 300, Subpart P.

New issues of U.S. Treasury Notes and Bonds which satisfy the standards in this regulation shall be added to the deliverable grade as they are issued. The Financial Instruments Committee or the Board shall have the right to exclude any new issue from deliverable status or to further limit outstanding issues from deliverable status.

2242.01 Deliveries on Futures Contracts—Deliveries against U.S. Treasury Notes futures contracts shall be by book-entry transfer between accounts of Clearing Members at qualified banks (Regulation 2280.01) in accordance with Department of Treasury Circular 300, Subpart O: Book-Entry Procedures. Delivery must be made no later than the last business day of the month. Notice of intention to deliver shall be given to the Board of Trade Clearing Corporation by 8:00 p.m. on the second business day preceding delivery day; except that, if delivery is to be made on the last business day of the month, notice of intention to deliver may be given to the Clearing Corporation until 2:00 p.m. on the business day preceding delivery day (Regulation 1049.01) In the event the long Clearing Member does not agree with the terms of the invoice received from the short Clearing Member, the long Clearing Member must notify the short Clearing Member, and the dispute must be settled by 9:30 a.m. on delivery day. The short Clearing Member must have the bonds in acceptable (to his bank) delivery form by 10:00 a.m. on delivery day. He must notify his bank (Regulation 2280.01) to transfer contract grade U.S. Treasury Bonds by book-entry to the long Clearing Member's account on a delivery versus payment basis. That is, payment shall not be made until the bonds are delivered. The long Clearing Member must notify his bank (Regulation 2280.01) to accept contract grade instruments and to remit (Regulation 2280.01) before 12:00 noon on delivery day. All deliveries must be assigned by the Clearing Corporation. Where a commission house as a member of the Clearing Corporation has an interest both long and short of customers on its own books, it must tender to the Clearing Corporation such notices of intention to deliver as it received from its customers who are short.

2242.02 Wire Failure—In the event that delivery cannot be accomplished because of a failure of the Federal Reserve wire or because of a failure of either the long Clearing Member's bank or the short Clearing Member's bank access to the Federal Reserve wire is operable. Interest shall accrue to the long paid by the short beginning on the day at which the notes were to be originally delivered.

In the event of such failure, both the long and short must provide documented evidence that the instructions were given to their respective banks in accordance with Regulations 2242.01 and 2249.04 and that all other provisions of Regulations 2242.01 and 2249.04 have been complied with.

2246.01 Date of Delivery—Delivery of U.S. Treasury Notes may be made by the short upon any permissible delivery day of the delivery month the short may select. Delivery of U.S. Treasury Notes must be made no later than the last business day of that month.

2247.00 Delivery Notice—(See 1047.00)

2247.01 Delivery Notices—(See 1047.01)

2248.00 Methods of Delivery—(See 1048.00)

2249.00 Time of Delivery, Payment, Form of Delivery Notice—(See 1049.00)

2249.02 Buyer's Report of Eligibility to Receive Delivery—(See 1049.02)

2249.03 Sellers' Invoices to Buyers--Upon determining the buyers obligated to accept deliveries tendered by issuers of delivery notices, the Clearing House shall promptly furnish each issuer the names of the buyers obligated to accept delivery from him and a description of each commodity tendered by him which was assigned by the Clearing House to each such buyer. Thereupon, sellers (issuers of delivery notices) shall prepare invoices addressed to their assigned buyers, describing the documents to be delivered to each such buyer. Such invoices will show the amount which buyers must pay to sellers in settlement of the actual deliveries, based on the delivery prices established by the Clearing House, and adjusted for applicable interest payments. Such invoices shall be delivered to the Clearing House by 2:00 p.m. on the day of intention, except on the last intention day of the month, where such invoices shall be delivered to the Clearing House by 3:00 p.m. Upon receipt of such invoices, the Clearing House shall promptly make them available to buyers to whom they are addressed, by placing them in buyers' mail boxes provided for that purpose in the Clearing House.

2249.04 Payment--Payment shall be made in federal funds. The long obligated to take delivery must take delivery and make payment before 1:00 p.m. on the day of delivery except on banking holidays when delivery must be taken and payment made before 9:30 a.m. the next banking business day. Adjustments for differences between contract prices and delivery prices established by the Clearing House shall be made with the Clearing House in accordance with its by-laws and resolutions.

2250.00 Duties of Members--(See 1050.00)

2251.01 Office Deliveries Prohibited--(See 1051.01)

2254.00 Failure to Accept Delivery--(See 1054.00)

Regularity of Banks

2280.01 Banks--For purposes of these regulations relating to trading in U.S. Treasury Notes, the word "Bank" (Regulation 2242.01) shall mean a U.S. commercial bank (either Federal or State charter) that is a member of the Federal Reserve System and with capital (capital, surplus, and undivided earnings) in excess of one hundred million dollars ($100,000,000).

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

Jan	March 1980 Open	High	Low	Close	June 1980 Open	High	Low	Close	September 1980 Open	High	Low	Close
1	HOLIDAY											
2				90-18n				89-29n				89-19n
3				90-16n				89-27n				89-17n
4				90-08n				89-19n				89-09n
7	90-08	90-08h	90-08L	90-08	89-10	89-19h	89-10	89-19				89-09n
8				90-16n				89-27n				89-17n
9				90-15n				89-26n				89-16n
10				90-14n				89-25n				89-25n
11				89-28n				89-07n				89-07n
14				89-23n				89-02n				89-02n
15				89-30n				89-09n				89-09n
16				89-31n				89-10n				89-15n
17				89-26n				89-05n				89-10n
18				89-17n				88-28n				89-01n
21				89-05n				88-09n				88-14n
22				89-09n				88-21n				88-26n
23				89-17n				88-19n				89-02n
24				88-25n				87-27n				88-10n
25				88-11n				87-13n				87-31n
28				88-05n				87-07n				87-25n
29				87-24n				86-26n				87-13n
30				87-30n				87-00n				87-19n
31				88-00n	87-04	87-04	87-04L	87-04				87-19n

Jan	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close
1	HOLIDAY											
2				89-13n				89-07n				88-24n
3				89-11n				89-05n				88-22n
4				89-03n				88-29n				88-14n
7				89-03n				88-29n				88-14n
8				89-11n				89-05n				88-22n
9				89-10n				89-04n				88-21n
10				89-25n				89-24n				89-21n
11				89-07n				89-06n				89-03n
14				89-02n				89-01n				88-30n
15				89-09n				89-08n				89-05n
16				89-18n				89-18n				89-17n
17				89-13n				89-13n				89-12n
18				89-04n				89-04n				89-03n
21				88-17n				88-17n				88-16n
22				88-29n				88-29n				88-28n
23				89-05n				89-05n				89-04n
24				88-13n				88-13n				88-12n
25				88-01n				88-01n				88-00n
28				87-27n				87-27n				87-26n
29				87-15n				87-15n				87-14n
30				87-21n				87-21n				87-20n
31				87-21n				87-21n	87-12	87-12h	87-12L	87-12

Jan	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close
1	HOLIDAY											
2				88-24n				88-23n				88-22n
3				88-22n				88-21n				88-20n
4				88-14n				88-13n				88-12n
7				88-14n				88-13n				88-12n
8				88-22n				88-21n				88-20n
9				88-21n				88-20n				88-19n
10				89-20n				89-18n				89-16n
11				89-02n				89-00n				88-30n
14				88-29n				88-27n				88-25n
15				89-04n				89-02n				89-00n
16				89-15n				89-13n				89-11n
17				89-10n				89-08n				89-06n
18				89-01n				88-31n				88-29n
21				88-14n				88-12n				88-10n
22				88-26n				88-24n				88-22n
23				89-02n				89-00n				88-30n
24				88-10n				88-08n				88-06n
25				87-30n				87-28n				87-26n
28				87-24n				87-22n				87-20n
29				87-12n				87-07n				87-15n
30				87-18n				87-13n				87-21n
31	87-12	87-12h	87-12L	87-12	87-04	87-04h	87-04L	87-04				87-21n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	HOLIDAY									
2										
3										
4										
7	2h	2L								4L
8										
9										
10										
11										
14										
15										
16										
17										
18										
21										
22										
23										
24										
25										
28										
29										
30										
31		10h				5h	55h	50h		120h
Total	2	12				5	55	50		124

Treasury Notes Open Contracts

Reported in Contracts

Jan	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	HOLIDAY									
2	288h	245h	9h	2h	7h	7L	87h	60h	10h	715h
3	237L	208	9	2	7	7	87	60	10	627
4	237	208	9	2	7	7	87	60	10	627
7	239	208	9	2	7	7	87	60	10	629
8	239	208	9	2	7	7	87	60	10	629
9	239	208	9	2	7	7	87	60	10	629
10	239	208	9	2	7	7	87	60	10	629
11	239	208	9	2	7	7	87	60	10	629
14	239	208	9	2	7	7	87	60	10	629
15	239	208	9	2	7	7	87	60	10	629
16	239	208	9	2	7	7	87	60	10	629
17	239	208	9	2	7	7	87	60	10	629
18	239	208	9	2	7	7	87	60	10	629
21	239	208	9	2	7	7	87	60	10	629
22	239	208	9	2	7	7	87	60	10	629
23	239	208	9	2	7	7	87	60	10	629
24	239	208	9	2	7	7	87	60	10	629
25	239	208	9	2	7	7	87	60	10	629
28	239	208	9	2	7	7	87	60	10	629
29	239	208	9	2	7	7	87	60	10	629
30	239	208	9	2	7	7	87	60	10	629
31	239	198L	9	2	7	12h	87	60	10	624L

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

March 1980

Feb	Open	High	Low	Close
1				87-12n
4				87-07n
5				85-26n
6				85-06n
7				85-24n
8				85-18n
11	84-22	84-22h	84-22	84-22
12	84-10	84-12	84-10	84-12
13				85-16n
14				85-04n
15				83-29n
18	HOLIDAY			
19				81-29a
20				81-05n
21				80-10n
22				81-10n
25				79-24n
26				77-30n
27	78-09	78-20	78-09L	78-20
28				80-20b
29	79-14	80-28	79-14	80-26

June 1980

Open	High	Low	Close
			86-18n
			86-13n
			85-00n
			84-12n
			84-30n
			84-24n
			83-28n
			83-18n
			84-22n
			84-04n
			82-29n
			80-29a
			80-05n
			79-10n
			80-10n
			78-14n
			76-20n
76-24	77-10	76-23L	77-10b
			79-10b
78-06	79-10h	78-06	79-10b

September 1980

Open	High	Low	Close
			87-01n
			86-28n
			85-15n
			84-27n
			85-19n
			85-13n
			84-17n
84-03	84-07h	84-03	84-07
			85-11n
			84-25n
			83-18n
			81-18a
			80-26n
			79-31n
			80-31n
			79-03n
			77-09n
78-09	78-09	78-09L	78-09
			80-09b
			80-09n

December 1980

Feb	Open	High	Low	Close
1				87-03n
4				86-30n
5				85-17n
6				84-29n
7				86-04n
8				85-30n
11				85-02n
12				84-24n
13				85-28n
14				85-10n
15				84-03n
18	HOLIDAY			
19				82-03a
20				81-11n
21				80-16n
22				81-16n
25				79-20n
26				77-26n
27				78-16n
28				80-26b
29				80-26n

March 1981

Open	High	Low	Close
			87-03n
			86-30n
			85-17n
			84-29n
			86-12n
			86-06n
			85-10n
			85-00n
			86-04n
			85-18n
			84-11n
			82-11a
			81-19n
			80-24n
			81-24n
			79-28n
			78-02n
			78-24n
			81-02b
			81-02n

June 1981

Open	High	Low	Close
			87-26n
			87-21n
			86-08n
			85-20n
			86-14n
			86-08n
			85-12n
			85-02n
			86-06n
			85-20n
			84-13n
			82-13a
			81-21n
			80-26n
			81-26n
			79-30n
			78-04n
			78-26n
			81-04b
			81-04n

September 1981

Feb	Open	High	Low	Close
1				87-26n
4				87-21n
5				86-08n
6				85-20n
7				86-14n
8				86-08n
11				85-12n
12				85-02n
13				86-06n
14				85-20n
15				84-13n
18	HOLIDAY			
19				82-13a
20				81-21n
21				80-26n
22				81-26n
25				79-30n
26				78-04n
27				78-26n
28				81-04b
29				81-04n

December 1981

Open	High	Low	Close
			86-18n
			86-13n
			85-03n
			85-15n
			86-13n
			86-07n
			85-11n
			85-01n
			86-05n
			85-19n
			84-12n
			82-12a
			81-20n
			80-25n
			81-25n
			79-29n
			78-03n
			78-25n
			81-03b
			81-03n

March 1982

Open	High	Low	Close
			87-03n
			86-30n
			85-17n
			84-29n
			86-12n
			86-06n
			85-10n
			85-00n
			86-04n
			85-18n
			84-11n
			82-11a
			81-19n
			80-24n
			81-24n
			79-28n
			78-02n
			78-24n
			81-02b
			81-02n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1										
4										
5										
6										
7										
8										
11	6L									6L
12	13		9h							22
13										
14										
15										
18	HOLIDAY									
19										
20										
21										
22										
25										
26										
27	29h	21h	5L							55h
28										
29	22	2L								24
Total	70	23	14							107

Treasury Notes Open Contracts

Reported in Contracts

Feb	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	239h	198h	9	2h	7h	12h	87h	60h	10h	624h
4	239	198	9	2	7	12	87	60	10	624
5	239	198	9	2	7	12	87	60	10	624
6	239	198	9	2	7	12	87	60	10	624
7	239	198	9	2	7	12	87	60	10	624
8	239	198	9	2	7	12	87	60	10	624
11	233	198	9	2	7	12	87	60	10	618
12	220	198	11h	2	7	12	87	60	10	607
13	213	178	11	2	7	12	87	60	10	580
14	213	178	11	2	7	12	87	60	10	580
15	213	178	11	2	7	12	87	60	10	580
18	HOLIDAY									
19	213	178	11	2	7	12	87	60	10	580
20	213	178	11	2	7	12	87	60	10	580
21	213	178	11	2	7	12	87	60	10	580
22	213	178	11	2	7	12	87	60	10	580
25	213	178	11	2	7	12	87	60	10	580
26	213	178	11	2	7	12	87	60	10	580
27	200	157L	6L	2	7	12	87	60	10	541
28	200	157	6	2	7	12	87	60	10	541
29	178L	157	6	2	7	12	87	60	10	519L

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

March 1980

Mar	Open	High	Low	Close
3	80-21	80-21	79-22	79-22a
4	79-22	79-22	79-22	79-22
5				79-17n
6	78-17	79-06	78-17L	79-06
7	78-28	80-02	78-28	80-02
10				81-09n
11				82-17n
12				82-01n
13				82-10n
14				82-17n
17				82-09n
18				82-31b
19	82-08	82-08h	82-08	82-08
20				82-16b
21				
24				
25				
26				
27				
28				
31				

June 1980

Open	High	Low	Close
			78-06n
			78-06n
			78-01n
77-00	77-22	77-00L	77-22
77-11	78-18h	77-11	78-18
			79-25n
			81-01n
			80-17n
			80-26n
			81-01n
			80-25n
			81-15n
			81-09n
			80-22n
			79-11n
			77-11a
			77-19n
			78-15n
			78-19n
			79-30n
			80-08n

September 1980

Open	High	Low	Close
			79-05n
			79-05n
			79-00n
			78-21n
			79-17n
			80-24n
			82-00n
			81-16n
			81-25n
			82-00n
			81-29n
			82-19n
			82-13n
			81-26n
			80-15n
			78-15a
			78-23n
			79-19n
			79-23n
			81-02n
			81-01n

December 1980

Mar	Open	High	Low	Close
3				79-22n
4				79-22n
5				79-17n
6				79-06n
7				80-02n
10				81-09n
11				82-17n
12				82-01n
13				82-10n
14				82-17n
17				82-29n
18				83-19n
19				83-13n
20				82-26n
21				81-15n
24				79-15a
25				79-23n
26				80-19n
27				80-23n
28				82-02n
31				81-22n

March 1981

Open	High	Low	Close
			79-30n
			79-30n
			79-25n
			79-14n
			80-10n
			81-17n
			82-25n
			82-09n
			82-18n
			82-25n
			83-24n
			84-14n
			84-08n
			83-21n
			82-10n
			80-10a
			80-18n
			81-14n
			81-18n
			82-29n
			82-07n

June 1981

Open	High	Low	Close
			80-00n
			80-00n
			79-27n
			79-16n
			80-12n
			81-19n
			82-27n
			82-11n
			82-20n
			82-27n
			84-12n
			85-02n
			84-26n
			84-09n
			82-30n
			80-30a
			81-06n
			82-02n
			82-06n
			83-17n
			82-21n

September 1981

Mar	Open	High	Low	Close
3				80-00n
4				80-00n
5				79-27n
6				79-16n
7				80-12n
10				81-19n
11				82-27n
12				82-11n
13				82-20n
14				82-27n
17				84-26n
18				85-16n
19				85-10n
20				84-23n
21				83-12n
24				81-12a
25				81-20n
26				82-16n
27				81-20n
28				82-31n
31				83-00n

December 1981

Open	High	Low	Close
			79-31n
			79-31n
			79-26n
			79-15n
			80-11n
			81-18n
			82-26n
			82-10n
			82-19n
			82-26n
			84-26b
			85-16n
			85-10n
			84-23n
			83-12n
			81-12a
			81-20n
			82-16n
			81-20n
			82-31n
			83-09n

March 1982

Open	High	Low	Close
			79-30n
			79-30n
			79-25n
			79-14n
			80-10n
			81-17n
			82-25n
			82-09n
			82-18n
			82-25n
			84-25b
			85-22n
			85-16n
			84-29n
			83-18n
			81-18a
			81-26n
			82-22n
			82-26n
			84-05n
			83-16n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
3	2L									2L
4	32									32
5										
6	17	17L								34
7	43h	43h								86h
10										
11										
12										
13										
14										
17										
18										
19	4									4
20										
21										
24										
25										
26										
27										
28										
31										
Total	98	60								158

Treasury Notes Open Contracts

Reported in Contracts

Mar	1980 Mar	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
3	162h	157h	6h	2h	7h	12h	87h	60h	10h	503h
4	81	157	6	2	7	12	87	60	10	422
5	71	157	6	2	7	12	87	60	10	412
6	54	140	6	2	7	12	87	60	10	378
7	5	97	6	2	7	12	87	60	10	286
10	5	97	6	2	7	12	87	60	10	286
11	5	97	6	2	7	12	87	60	10	286
12	5	97	6	2	7	12	87	60	10	286
13	5	97	6	2	7	12	87	60	10	286
14	5	97	6	2	7	12	87	60	10	286
17	5	97	6	2	7	12	87	60	10	286
18	5	97	6	2	7	12	87	60	10	286
19	1L	97	6	2	7	12	87	60	10	282
20	1	97	6	2	7	12	87	60	10	282
21	1	97	6	2	7	12	87	60	10	282
24	1	97	6	2	7	12	87	60	10	282
25	1	97	6	2	7	12	87	60	10	282
26	1	97	6	2	7	12	87	60	10	282
27	1	86L	6	2	7	12	87	60	10	271
28		86	6	2	7	12	87	60	10	270L
31		86	6	2	7	12	87	60	10	270

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

Apr	June 1980 Open	High	Low	Close	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close
1				80-23n				81-16n				82-05n
2				80-08n				81-01n				81-22n
3				81-00n				81-25n				82-14n
4	HOLIDAY											
7				82-08n				83-01n				83-22n
8				82-20n				83-13n				84-02n
9				82-28n				83-21n				84-10n
10				83-04n				83-29n				84-18n
11				83-28n				84-21n				85-10n
14				84-12n				85-05n				85-26n
15				84-28n				85-21n				86-10n
16				86-28b				87-21b				88-10b
17				87-12n				88-05n				88-26n
18				86-28n				87-21n				88-10n
21				88-00n				88-25n				89-14n
22				89-03n				89-28n				90-17n
23				88-00n				88-22n				89-08n
24				88-02n				88-24n				89-10n
25				88-10n				89-00n				89-18n
28				89-19n				90-09n				90-27n
29				89-17n				90-07n				90-25n
30				88-26n				89-16n				90-02n

Apr	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close	September 1981 Open	High	Low	Close
1				82-22n				83-04n				84-00b
2				82-07n				82-21n				83-03n
3				82-31n				83-13n				83-27n
4	HOLIDAY											
7				84-07n				84-21n				85-01n
8				84-19n				85-01n				85-11n
9				84-27n				85-10n				85-19n
10				85-03n				85-18n				85-27n
11				85-27n				86-10n				86-19n
14				86-11n				86-26n				87-03n
15				86-27n				87-10n				87-19n
16				88-27b				89-10b				89-19b
17				89-11n				89-26n				90-03n
18				88-27n				89-10n				89-19n
21				89-31n				90-14n				90-23n
22				91-02n				91-17n				91-26n
23				89-17n				89-17n				89-26n
24				89-19n				89-19n				89-19n
25				89-27n				89-27n				89-27n
28				91-04n				91-04n				91-04n
29				91-02n				91-02n				91-02n
30				90-11n				90-11n				90-11n

Apr	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close
1				84-00n				84-08n
2				83-03n				83-11n
3				83-27n				84-03n
4	HOLIDAY							
7				85-01n				85-11n
8				85-11n				85-16n
9				85-19n				85-24n
10				85-27n				86-00n
11				86-19n				86-24n
14				87-03n				87-08n
15				87-19n				87-24n
16				89-19b				89-24b
17				90-03n				90-08n
18				89-19n				89-19n
21				90-23n				90-23n
22				91-26n				91-26n
23				89-26n				89-26n
24				89-19n				89-19n
25				89-27n				89-27n
28				91-04n				91-04n
29				91-02n				91-02n
30				90-11n				90-11n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1									
2									
3									
4	HOLIDAY								
7									
8									
9									
10									
11									
14									
15									
16									
17									
18									
21									
22									
23									
24									
25									
28									
29									
30									
Total									

Treasury Notes Open Contracts

Reported in Contracts

Apr	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	86h	6h	2h	7h	12h	87h	60	10h	270
2	86	6	2	7	12	87	60	10	270
3	86	6	2	7	12	87	60	10	270
4	HOLIDAY								
7	86	6	2	7	12	87	60	10	270
8	86	6	2	7	12	87	60	10	270
9	86	6	2	7	12	87	60	10	270
10	86	6	2	7	12	87	60	10	270
11	86	6	2	7	12	87	60	10	270
14	86	6	2	7	12	87	60	10	270
15	86	6	2	7	12	87	60	10	270
16	86	6	2	7	12	87	60	10	270
17	86	6	2	7	12	87	60	10	270
18	86	6	2	7	12	87	60	10	270
21	86	6	2	7	12	87	60	10	270
22	86	6	2	7	12	87	70h	10	280h
23	86	6	2	7	7L	32L	10L	10	160L
24	86	6	2	7	7	32	10	10	160
25	86	6	2	7	7	32	10	10	160
28	86	6	2	7	7	32	10	10	160
29	86	6	2	7	7	32	10	10	150
30	86	6	2	7	7	32	10	10	160

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

	June 1980				September 1980				December 1980			
May	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
1				89-10n				90-00n				90-18n
2				91-09n				91-31n				92-17n
5				91-25n				92-15n				93-01n
6				92-25n				93-15n				94-01n
7				91-29n				92-02n				92-04n
8				90-29n				91-03n				91-05n
9				90-26n				91-00n				91-02n
12				91-00n				91-06n				91-08n
13				91-17n				91-20n				91-20n
14				91-21n				91-24n				91-24n
15				90-24n				90-27n				90-27n
16				90-16n				90-19n				90-19n
19				90-04n				90-07n				90-07n
20				91-28n				91-31n				91-31n
21				91-29n				92-00n				92-00n
22				91-20n	92-00	92-00h	91-23L	91-23				91-18n
23				93-05n				93-08n				93-03n
26	HOLIDAY											
27				93-01n				93-04n				92-31n
28				92-21n				92-24n				92-19n
29				91-24n				91-27n				91-22n
30				91-28n				91-31n				91-26n

	March 1981				June 1981				September 1981			
May	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
1				90-27n				90-27n				90-27n
2				92-26n				92-26n				92-26n
5				93-10n				93-10n				93-10n
6				94-10n				94-10n				94-10n
7				92-10n				92-10n				92-10n
8				91-04n				91-00n				90-28n
9				91-01n				90-29n				90-25n
12				91-07n				91-03n				90-31n
13				91-19n				91-15n				91-11n
14				91-23n				91-19n				91-15n
15				90-26n				90-22n				90-18n
16				90-18n				90-14n				90-10n
19				90-06n				90-02n				89-30n
20				91-30n				91-26n				91-22n
21				91-31n				91-27n				91-23n
22				91-17n				91-13n				91-10n
23				93-02n				92-30n				92-26n
26	HOLIDAY											
27				92-30n				92-26n				92-22n
28				92-18n				92-14n				92-10n
29				91-21n				91-17n	92-16	92-16h	91-13L	91-13
30				91-25n				91-21n				91-17n

	December 1981				March 1982			
May	Open	High	Low	Close	Open	High	Low	Close
1				90-27n				90-27n
2				92-26n				92-26n
5				93-10n				93-10n
6				94-10n				94-10n
7				92-10n				92-10n
8				90-24n				90-20n
9				90-21n				90-17n
12				90-[illegible]				90-23n
13				91-07n				91-03n
14				91-11n				91-07n
15				90-14n				90-10n
16				90-10n				90-02n
19				89-26n				89-22n
20				91-18n				91-14n
21				91-19n				91-15n
22				91-05n				91-01n
23				92-21n				92-18n
26	HOLIDAY							
27				92-17n				92-14n
28				92-05n				92-02n
29				91-08n				91-05n
30				91-12n				91-09n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1									
2									
5									
6									
7									
8									
9									
12									
13									
14									
15									
16									
19									
20									
21									
22	4h	4h							8L
23									
26	HOLIDAY								
27									
28									
29						10h			10h
30									
Total	4	4				10			18

Treasury Notes Open Contracts

Reported in Contracts

May	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	86h	6h	2h	7h	7h	32L	10h	10h	160h
2	86	6	2	7	7	32	10	10	160
5	86	6	2	7	7	32	10	10	160
6	86	6	2	7	7	32	10	10	160
7	86	6	2	7	7	32	10	10	160
8	86	6	2	7	7	32	10	10	160
9	86	6	2	7	7	32	10	10	160
12	86	6	2	7	7	32	10	10	160
13	86	6	2	7	7	32	10	10	160
14	86	6	2	7	7	32	10	10	160
15	86	6	2	7	7	32	10	10	160
16	86	6	2	7	7	32	10	10	160
19	86	6	2	7	7	32	10	10	160
20	86	6	2	7	7	32	10	10	160
21	86	6	2	7	7	32	10	10	160
22	82L	2L	2	7	7	32	10	10	152L
23	82	2	2	7	7	32	10	10	152
26	HOLIDAY								
27	82	2	2	7	7	32	10	10	152
28	82	2	2	7	7	32	10	10	152
29	82	2	2	7	7	40h	10	10	160
30	82	2	2	7	7	40	10	10	160

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

June 1980 | September 1980 | December 1980

Jun	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
2				91-17n				91-20n				91-15n
3	92-29	92-29h	92-26L	92-26				92-29n				92-24n
4				92-22n				92-25n				92-20n
5				92-25n				92-25n				92-20n
6				94-01n				94-01n				93-18n
9				94-01n				94-01n				93-18n
10				93-17n				93-17n				93-02n
11				94-00n				94-00n				93-17n
12				95-00n				95-00n				94-17n
13				93-00n				93-00n				92-17n
16				95-00n				95-00n				93-17n
17				95-17n				95-17n				94-01n
18				95-07n				95-07n				93-23n
19				95-17n				95-09n				93-25n
20								95-09n				93-25n
23								94-23n				93-08n
24								94-23n				93-08n
25								93-31n				92-16n
26								93-07n				93-03n
27								92-23n				92-19n
30								92-17n				92-13n

March 1981 | June 1981 | September 1981

Jun	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
2				91-14n				91-10n				91-06n
3				92-23n				92-19n				92-15n
4				92-19n				92-15n				92-11n
5				92-19n				92-15n				92-11n
6				93-17n				93-13n				93-10n
9				93-17n				93-13n				93-10n
10				93-01n				92-29n				92-27n
11				93-16n				93-12n				93-10n
12				94-16n				94-12n				94-10n
13				92-16n				92-12n				92-10n
16				93-16n				93-12n				93-10n
17				94-00n				93-29n				93-27n
18				93-22n				93-19n				93-17n
19				93-24n				93-21n				93-19n
20				93-24n				93-21n				93-19n
23				93-07n				93-04n				93-02n
24				93-07n				93-04n				93-02n
25				92-15n				92-12n				92-10n
26				93-02n				92-31n				92-29n
27				92-18n				92-15n				92-13n
30				92-12n				92-09n				92-07n

December 1981 | March 1982

Jun	Open	High	Low	Close	Open	High	Low	Close
2				91-01n				90-30n
3				92-10n				92-07n
4				92-06n				92-03n
5				92-06n				92-03n
6				93-04n				93-01n
9				93-04n				93-01n
10				92-20n				92-17n
11				93-03n				93-00n
12				94-03n				94-00n
13				92-03n				92-00n
16				93-03n				93-00n
17				93-20n				93-17n
18				93-10n				93-07n
19				93-12n				93-09n
20				93-12n				93-09n
23				92-27n				92-24n
24				92-27n				92-24n
25				92-03n				92-00n
26				92-22n				92-19n
27				92-06n				92-03n
30				92-00n				91-29n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1v81 Dec	1982 Mar	Total
2									
3	1h								1h
4									
5									
6									
9									
10									
11									
12									
13									
16									
17									
18									
19									
20									
23									
24									
25									
26									
27									
30									
Total	1								1

Treasury Notes Open Contracts

Reported in Contracts

Jun	1980 Jun	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
2	82h	2h	2h	7h	7h	40h	10h	10h	160h
3	82	2	2	7	7	40	10	10	160
4	82	2	2	7	7	40	10	10	160
5	59	2	2	7	7	40	10	10	137
6	59	2	2	7	7	40	10	10	137
9	59	2	2	7	7	40	10	10	137
10	59	2	2	7	7	40	10	10	137
11	59	2	2	7	7	40	10	10	137
12	59	2	2	7	7	40	10	10	137
13	59	2	2	7	7	40	10	10	137
16	59	2	2	7	7	40	10	10	137
17	23L	2	2	7	7	40	10	10	101
18	23	2	2	7	7	40	10	10	101
19	23	2	2	7	7	40	10	10	101
20	23	2	2	7	7	40	10	10	101
23	23	2	2	7	7	40	10	10	101
24	23	2	2	7	7	40	10	10	101
25	23	2	2	7	7	40	10	10	101
26		2	2	7	7	40	10	10	78L
27		2	2	7	7	40	10	10	78
30		2	2	7	7	40	10	10	78

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

Jul	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close
1				92-17n				92-13n				92-12n
2				92-23n				92-19n				92-18n
3				92-31n				92-27n				92-26n
4	HOLIDAY											
7				92-17n				92-13n				92-12n
8				92-31n				92-27n				92-26n
9				92-23n				92-19n				92-18n
10				92-15n				92-11n				92-10n
11				92-07n				92-03n				92-02n
14				91-28n				91-24n				91-23n
15				92-16n				92-12n				92-11n
16				92-00n				91-28n				91-27n
17				92-00n				91-28n				91-27n
18				92-16n				92-12n				92-11n
21				92-24n				92-20n				92-19n
22				92-28n				92-24n				92-23n
23				93-08n				93-04n				93-03n
24				92-20n				92-16n				92-15n
25				92-08n				92-04n				92-03n
28				91-08n				91-04n				91-03n
29				91-08n				91-04n				91-03n
30				90-28n				90-24n				90-23n
31				90-08n				90-04n				90-03n

Jul	June 1981 Open	High	Low	Close	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close
1				92-09n				92-07n				92-00n
2				92-15n				92-13n				92-06n
3				92-23n				92-21n				92-14n
4	HOLIDAY											
7				92-09n				92-07n				92-00n
8				92-23n				92-21n				92-14n
9				92-15n				92-13n				92-06n
10				92-07n				92-05n				91-30n
11				91-31n				91-29n				91-22n
14				91-20n				91-18n				91-11n
15				92-08n				92-06n				91-31n
16				91-24n				91-22n				91-15n
17				91-24n				91-22n				91-15n
18				92-08n				92-06n				91-31n
21				92-18n				92-14n				92-08n
22				92-22n				92-18n				92-12n
23				93-02n				92-30n				92-24n
24				92-14n				92-10n				92-04n
25				92-02n				91-30n				91-24n
28				91-02n				90-30n				90-24n
29				91-02n				90-30n				90-24n
30				90-22n				90-18n				90-12n
31				90-02n				89-30n				89-24n

Jul	March 1982 Open	High	Low	Close
1				91-29n
2				92-03n
3				92-11n
4	HOLIDAY			
7				91-29n
8				92-11n
9				92-03n
10				91-27n
11				91-19n
14				91-08n
15				91-28n
16				91-12n
17				91-12n
18				91-28n
21				92-04n
22				92-08n
23				92-20n
24				92-00n
25				91-20n
28				90-20n
29				90-20n
30				90-08n
31				89-20n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

Jul	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1								
2								
3								
4	HOLIDAY							
7								
8								
9								
10								
11								
14								
15								
16								
17								
18								
21								
22								
23								
24								
25								
28								
29								
30								
31								
Total								

Treasury Notes Open Contracts

Reported in Contracts

Jul	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	2h	2h	7h	7h	40L	10h	10h	78
2	2	2	7	7	40	10	10	78
3	2	2	7	7	40	10	10	78
4	HOLIDAY							
7	2	2	7	7	40	10	10	78
8	2	2	7	7	40	10	10	78
9	2	2	7	7	40	10	10	78
10	2	2	7		40	10	10	71L
11	2	2	7	7	40	10	10	78
14	2	2	7	7	40	10	10	78
15	2	2	7	7	40	10	10	78
16	2	2	7	7	40	10	10	78
17	2	2	7	7	40	10	10	78
18	2	2	7	7	70h	10	10	108h
21	2	2	7	7	40	10	10	78
22	2	2	7	7	40	10	10	78
23	2	2	7	7	40	10	10	78
24	2	2	7	7	40	10	10	78
25	2	2	7	7	40	10	10	78
28	2	2	7	7	40	10	10	78
29	2	2	7	7	40	10	10	78
30	2	2	7	7	40	10	10	78
31	2	2	7	7	40	10	10	78

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

September 1980

Aug	Open	High	Low	Close
1				89-28n
4				90-08n
5				90-08n
6				90-08n
7				90-08n
8				89-24n
11				88-24n
12				89-00n
13				89-00n
14				88-24n
15				88-28n
18				87-12n
19				87-00n
20				87-00n
21				86-16n
22				86-24n
25				86-16n
26				86-16n
27				84-18n
28				84-10n
29				84-26n

December 1980

Open	High	Low	Close
			89-24n
			90-04n
			90-04n
			90-04n
			90-04n
			89-20n
			88-20n
			88-28n
			88-28n
			88-20n
			88-24n
			87-08n
			86-28n
			86-28n
			86-12n
			86-20n
			86-12n
			86-12n
			84-14n
			84-06n
			84-22n

March 1981

Open	High	Low	Close
			89-23n
			90-03n
			90-03n
			90-03n
			90-03n
			89-19n
			88-19n
			88-27n
			88-27n
			88-19n
			88-23n
			87-07n
			86-27n
			86-27n
			86-11n
			86-19n
			86-11n
			86-11n
			84-13n
			84-05n
			84-21n

June 1981

Aug	Open	High	Low	Close
1				89-22n
4				90-02n
5				90-02n
6				90-02n
7				90-02n
8				89-18n
11				88-18n
12				88-26n
13				88-26n
14				88-18n
15				88-22n
18				87-06n
19				86-26n
20				86-26n
21				86-10n
22				86-18n
25				86-10n
26				86-10n
27				84-12n
28				84-04n
29				84-20n

September 1981

Open	High	Low	Close
			89-18n
			89-30n
			89-30n
			89-30n
			89-30n
			89-14n
			88-14n
			88-22n
			88-22n
			88-14n
			88-18n
			87-02n
			86-22n
			86-22n
			86-06n
			86-14n
			86-06n
			86-06n
			84-08n
			84-00n
			84-16n

December 1981

Open	High	Low	Close
			89-12n
			89-24n
			89-24n
			89-24n
			89-24n
			89-08n
			88-08n
			88-16n
			88-16n
			88-08n
			88-12n
			86-28n
			86-16n
			86-16n
			86-00n
			86-08n
			86-00n
			86-00n
			84-02n
			83-26n
			84-10n

March 1982

Aug	Open	High	Low	Close
1				89-08n
4				89-20n
5				89-20n
6				89-20n
7				89-20n
8				89-04n
11				88-04n
12				88-12n
13				88-12n
14				88-04n
15				88-08n
18				86-24n
19				86-12n
20				86-12n
21				85-28n
22				86-04n
25				85-28n
26				85-28n
27				85-30n
28				83-30n
29				84-12n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

Aug	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1								
4								
5								
6								
7								
8								
11								
12								
13								
14								
15								
18								
19								
20								
21								
22								
25								
26								
27								
28								
29								
Total								

Treasury Notes Open Contracts

Reported in Contracts

Aug	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	2h	2h	7h	7h	40h	10h	10h	78h
4	2	2	7	7	40	10	10	78
5	2	2	7	7	40	10	10	78
6	2	2	7	7	40	10	10	78
7	2	2	7	7	40	10	10	78
8	2	2	7	7	40	10	10	78
11	2	2	7	7	40	10	10	78
12	2	2	7	7	40	10	10	78
13	2	2	7	7	40	10	10	78
14	2	2	7	7	40	10	10	78
15	2	2	7	7	40	10	10	78
18	2	2	7	7	40	10	10	78
19	2	2	7	7	40	10	10	78
20	2	2	7	7	40	10	10	78
21	2	2	7	7	40	10	10	78
22	2	2	7	7	40	10	10	78
25	2	2	7	7	40	10	10	78
26	2	2	7	7	40	10	10	78
27	2	2	7	7	40	10	10	78
28	2	2	7	7	40	10	10	78
29	2	2	7	7	40	10	10	78

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices
Open, High, Low and Close
Points and 32nds of 100 Percent

Sep	September 1980 Open	High	Low	Close	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close
1	HOLIDAY											
2				85-10n				85-06n				85-05n
3				85-18n				85-14n				85-13n
4				85-18n				85-14n				85-13n
5				86-00n				85-28n				85-27n
8				86-00n				85-28n				85-27n
9				86-24n				86-20n				86-19n
10				86-20n				86-16n				86-15n
11				85-24n				85-20n				85-19n
12				85-24n				85-20n				85-19n
15				85-20n				85-16n				85-15n
16				85-26n				85-22n				85-21n
17				85-10n				85-06n				85-05n
18				85-16n				85-12n				85-11n
19				85-16b				86-06n				86-05n
22								85-06n				85-05n
23								84-18n				84-17n
24								84-18n				84-17n
25								84-02n				84-01n
26								83-14n				83-13n
29								83-01n				83-00n
30								83-26n				83-25n

Sep	June 1981 Open	High	Low	Close	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close
1	HOLIDAY											
2				85-04n				85-00n				84-26n
3				85-12n				85-08n				85-02n
4				85-12n				85-08n				85-02n
5				85-26n				85-22n				85-16n
8				85-26n				85-22n				85-16n
9				86-18n				86-14n				86-08n
10				86-14n				86-10n				86-04n
11				85-18n				85-14n				85-08n
12				85-18n				85-14n				85-08n
15				85-14n				85-10n				85-04n
16				85-20n				85-16n				85-10n
17				85-04n				85-00n				84-26n
18				85-10n				85-06n				85-00n
19				86-04n				86-00n				85-26n
22				85-04n				85-00n				84-26n
23				84-16n				84-12n				84-06n
24				84-16n				84-12n				84-06n
25				84-00n				83-28n				83-22n
26				83-12n				83-08n				83-02n
29				82-31n				82-27n				82-21n
30				83-24n				83-20n				83-14n

Sep	March 1982 Open	High	Low	Close
1	HOLIDAY			
2				84-22n
3				84-30n
4				84-30n
5				85-12n
8				85-12n
9				86-04n
10				86-00n
11				85-04n
12				85-04n
15				85-00n
16				85-06n
17				84-22n
18				84-28n
19				85-22n
22				84-22n
23				84-02n
24				84-02n
25				83-18n
26				82-30n
29				82-17n
30				83-10n

h = high L = low a = asked b = bid n = nominal

Treasury Notes Volume Of Sales

Reported in Contracts

Sep	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	HOLIDAY							
2								
3								
4								
5								
8								
9								
10								
11								
12								
15								
16								
17								
18								
19								
22								
23								
24								
25								
26								
29								
30								
Total								

Treasury Notes Open Contracts

Reported in Contracts

Sep	1980 Sep	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	HOLIDAY							
2	2h	2h	7h	7h	40h	10h	10h	78h
3	2	2	7	7	40	10	10	78
4	2	2	7	7	40	10	10	78
5	2	2	7	7	40	10	10	78
8	2	2	7	7	40	10	10	78
9	2	2	7	7	40	10	10	78
10	2	2	7	7	40	10	10	78
11	2	2	7	7	40	10	10	78
12	2	2	7	7	40	10	10	78
15	2	2	7	7	40	10	10	78
16	2	2	7	7	40	10	10	78
17	2	2	7	7	40	10	10	78
18	2	2	7	7	40	10	10	78
19	2	2	7	7	40	10	10	78
22	2	2	7	7	40	10	10	78
23	2	2	7	7	40	10	10	78
24	1L	2	7	7	40	10	10	77
25		2	7	7	40	10	10	76L
26		2	7	7	40	10	10	76
29		2	7	7	40	10	10	76
30		2	7	7	40	10	10	76

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices

Open, High, Low and Close
Points and 32nds of 100 Percent

Oct	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close
1				84-18n				84-17n				84-16n
2				84-18n				84-17n				84-16n
3				85-18n				85-17n				85-16n
6				85-26n				85-25n				85-24n
7				86-08n				86-07n				86-06n
8				85-08n				85-07n				85-06n
9				85-16n				85-15n				85-14n
10				85-12n				85-11n				85-10n
13				85-12n				85-11n				85-10n
14				85-18n				85-17n				85-16n
15				85-30n				85-29n				85-28n
16				85-26n				85-25n				85-24n
17				84-26n				84-25n				84-24n
20				85-12n				85-11n				85-10n
21				85-00n				84-31n				84-30n
22				84-08n				84-07n				84-06n
23				84-08n				84-07n				84-06n
24				84-08n				84-07n				84-06n
27				82-08a				82-07a				82-06a
28				82-08n				82-07n				82-06n
29				82-08n				82-07n				82-06n
30				81-28n				81-27n				81-26n
31				81-28n				81-27n				81-26n

Oct	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close
1				84-12n				84-06n				84-02n
2				84-12n				84-06n				84-02n
3				85-12n				85-06n				85-02n
6				85-20n				85-14n				85-10n
7				86-02n				85-28n				85-24n
8				85-02n				84-28n				84-24n
9				85-10n				85-04n				85-00n
10				85-06n				85-00n				84-28n
13				85-06n				85-00n				84-28n
14				85-12n				85-06n				85-02n
15				85-24n				85-18n				85-14n
16				85-20n				85-14n				85-10n
17				84-20n				84-14n				84-10n
20				85-06n				85-00n				84-28n
21				84-26n				84-20n				84-14n
22				84-02n				83-28n				83-22n
23				84-02n				83-28n				83-22n
24				84-02n				83-28n				83-22n
27				82-02a				81-28a				81-22a
28				82-02n				81-28n				81-22n
29				82-02n				81-28n				81-22n
30				81-22n				81-16n				81-10n
31				81-22n				81-16n				81-10n

Treasury Notes Volume Of Sales

Reported in Contracts

Oct	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1							
2							
3							
6							
7							
8							
9							
10							
13							
14							
15							
16							
17							
20							
21							
22							
23							
24							
27							
28							
29							
30							
31							
Total							

Treasury Notes Open Contracts

Reported in Contracts

Oct	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	2h	7h	7h	40h	10h	10h	76h
2	2	7	7	40	10	10	76
3	2	7	7	40	10	10	76
6	2	7	7	40	10	10	76
7	2	7	7	40	10	10	76
8	2	7	7	40	10	10	76
9	2	7	7	40	10	10	76
10	2	7	7	40	10	10	76
13	2	7	7	40	10	10	76
14	2	7	7	40	10	10	76
15	2	7	7	40	10	10	76
16	2	7	7	40	10	10	76
17	2	7	7	40	10	10	76
20	2	7	7	40	10	10	76
21	2	7	7	40	10	10	76
22	2	7	7	40	10	10	76
23	2	7	7	40	10	10	76
24	2	7	7	40	10	10	76
27	2	7	7	40	10	10	76
28	2	7	7	40	10	10	76
29	2	7	7	40	10	10	76
30	2	7	7	40	10	10	76
31	2	7	7	40	10	10	76

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices

Open, High, Low and Close
Points and 32nds of 100 Percent

Nov	December 1980 Open	High	Low	Close	March 1981 Open	High	Low	Close	June 1981 Open	High	Low	Close
3				81-20n				81-19n				81-18n
4	HOLIDAY											
5				81-10n				81-09n				81-08n
6				81-10n				81-09n				81-08n
7				82-10n				82-09n				82-08n
10				81-16n				81-15n				81-14n
11				83-16b				83-15b				83-14b
12				83-16n				83-15n				83-14n
13				83-00n				82-31n				82-30n
14				82-05n				82-04n				82-03n
17				81-16n				81-15n				81-14n
18				82-16n				82-15n				82-14n
19				83-30n				83-29n				83-28n
20				82-14n				82-13n				82-12n
21				81-02n				81-01n				81-00n
24				81-10n				81-09n				81-08n
25				81-10n				81-09n				81-08n
26				81-26n				81-25n				81-24n
27	HOLIDAY											
28				81-04n				81-03n				81-02n

Nov	September 1981 Open	High	Low	Close	December 1981 Open	High	Low	Close	March 1982 Open	High	Low	Close
3				81-14n				81-08n				81-02n
4	HOLIDAY											
5				81-04n				80-30n				80-24n
6				81-04n				80-30n				80-24n
7				82-04n				81-30n				81-24n
10				81-10n				81-04n				80-30n
11				83-10b				83-04b				82-30b
12				83-10n				83-04n				82-30n
13				82-26n				82-20n				82-14n
14				81-21n				81-25n				81-19n
17				81-10n				81-04n				80-30n
18				82-10n				82-04n				81-30n
19				83-24n				83-18n				83-12n
20				82-08n				82-02n				81-28n
21				80-28n				80-22n				80-16n
24				81-04n				80-30n				80-24n
25				81-04n				80-30n				80-24n
26				81-20n				81-14n				81-08n
27	HOLIDAY											
28				80-30n				80-24n				80-18n

Treasury Notes Volume Of Sales

Reported in Contracts

Nov	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
3							
4	HOLIDAY						
5							
6							
7							
10							
11							
12							
13							
14							
17							
18							
19							
20							
21							
24							
25							
26							
27	HOLIDAY						
28							
Total							

Treasury Notes Open Contracts

Reported in Contracts

Nov	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
3	2L	7h	7h	40h	10h	10h	76h
4	HOLIDAY						
5	2	7	7	40	10	10	76
6	2	7	7	40	10	10	76
7	2	7	7	40	10	10	76
10	2	7	7	40	10	10	76
11	2	7	7	40	10	10	76
12	2	7	7	40	10	10	76
13	2	7	7	40	10	10	76
14	12h	7	7	40		10	76
17	2	7	7	40	10	10	76
18	2	7	7	40	10	10	76
19	2	7	7	40	10	10	76
20	2	7	7	40	10	10	76
21	2	7	7	40	10	10	76
24	2	7	7	40	10	10	76
25	2	7	7	40	10	10	76
26	2		7				9L
27	HOLIDAY						
28	2	7	7	40	10	10	76

h = high L = low a = asked b = bid n = nominal

Treasury Notes Futures Prices

Open, High, Low and Close
Points and 32nds of 100 Percent

December 1980 | March 1981 | June 1981

Dec	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
1				72-00a				79-03a				79-02a
2				80-20n				80-19n				80-18n
3				80-24n				80-23n				80-22n
4				80-24n				80-23n				80-22n
5				80-24n				80-23n				80-22n
8				79-24n				79-23n				79-22n
9				78-24n				78-23n				78-22n
10				78-06n				78-05n	78-04	78-04h	78-04L	78-04
11				76-06a				76-05a				76-04a
12				78-06b				78-05b				78-04b
15				79-28n				79-27n				79-26n
16				79-19n	79-17	79-18	79-17L	79-18				79-17n
17				80-19n				80-18n				80-17n
18				80-19b				80-18n				80-17n
19								82-18b				82-17b
22					82-24	83-00h	82-24	83-00				82-31n
23								83-06n				83-05n
24								83-06n				83-05n
25	HOLIDAY											
26	HOLIDAY											
29								83-06n				83-05n
30								82-22n				82-21n
31								82-28n				82-27n

September 1981 | December 1981 | March 1982

Dec	Open	High	Low	Close	Open	High	Low	Close	Open	High	Low	Close
1				78-30a				78-24a				78-18a
2				80-14n				80-08n				80-02n
3				80-18n				80-12n				80-06n
4				80-18n				80-12n				80-06n
5				80-18n				80-12n				80-06n
8				79-18n				79-12n				79-06n
9				78-18n				78-12n				78-06n
10	77-31	78-00h	77-31L	78-00				77-26n				77-20n
11				76-00a				75-26a				75-20a
12				78-00b				77-26b				77-20b
15				79-22n				79-16n				79-10n
16				79-13n				79-07n				79-01n
17				80-13n				80-07n				80-01n
18				80-13n				80-07n				80-01n
19				82-13b				82-07b				82-01b
22				82-27n				82-21n	82-10	82-15h	82-10L	82-15
23				83-01n				82-27n				82-21n
24				83-01n				82-27n				82-21n
25	HOLIDAY											
26	HOLIDAY											
29				83-01n				82-27n				82-21n
30				82-17n				82-11n				82-05n
31				82-23n				82-17n				82-11n

Treasury Notes Volume Of Sales

Reported in Contracts

Dec	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1							
2							
3							
4							
5							
8							
9							
10			10h	10h			20h
11							
12							
15							
16		15h					15L
17							
18							
19							
22		5L				10h	15
23							
24							
25	HOLIDAY						
26	HOLIDAY						
29							
30							
31							
Total		20	10	10		10	50

Treasury Notes Open Contracts

Reported in Contracts

Dec	1980 Dec	1981 Mar	1981 Jun	1981 Sep	1981 Dec	1982 Mar	Total
1	2h	7L	7h	40h	10h	10h	76h
2	2	7	7	40	10	10	76
3		7	7	40	10	10	74
4		7	7	40	10	10	74
5		7	7	40	10	10	74
8		7	7	40	10	10	74
9		7	7	40	10	10	74
10		7	7	40	10	10	74
11		7	7	40	10	10	74
12		7	7	40	10	10	74
15		7	7	40	10	10	74
16		7	7	40	10	10	74
17		7	7	40	10	10	74
18		7	7	40	10	10	74
19		7	7	40	10	10	74
22		12h	7	40	10		69
23		7	7	40	10		64L
24		7	7	40	10		64
25	HOLIDAY						
26	HOLIDAY						
29		7	7	40	10		64
30		7	7	40	10		64
31		7	7	40	10		64

h = high L = low a = asked b = bid n = nominal

TREASURY NOTES
Monthly Range of Futures Prices
Points and 32nds of 100 Percent

March Delivery

Trading	Delivery	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	82	-	-	-	-	-	-	-	-	-	-	-	-	80-81	82
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81
79-80	82	-	-	-	-	-	-	96-14	94-29	95-09	95-02	-	-	79-80	82
79-80	81	-	-	-	-	95-18	95-14	96-24	95-15	95-30	94-09	93-20	93-14	79-80	81
79-80	80	-	-	-	-	97-15	96-01	97-20	96-07	97-00	94-28	95-02	94-06	79-80	80

Trading	Delivery	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	82	-	-	-	-	82-15	82-10	-	-	-	-	-	-	80-81	82
80-81	81	-	-	-	-	83-00	79-17	-	-	-	-	-	-	80-81	81
79-80	82	-	-	-	-	-	-	-	-	-	-	-	-	79-80	82
79-80	81	-	-	89-16	89-13	-	-	-	-	-	-	-	-	79-80	81
79-80	80	94-01	86-21	91-19	87-18	92-01	90-20	90-08	90-08	84-22	78-09	82-08	78-17	79-80	80

June Delivery

Trading	Delivery	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	81	-	-	-	-	-	-	-	-	-	-	78-04	78-04	80-81	81
79-80	81	96-24	95-10	95-26	94-06	93-20	93-11	-	-	89-26	87-07	89-09	89-09	79-80	81
79-80	80	97-05	95-25	96-15	94-18	94-18	93-27	93-19	89-05	89-08	88-10	91-15	89-25	79-80	80
78-79	80	-	-	-	-	-	-	-	-	-	-	-	-	78-79	80

Trading	Delivery	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81
79-80	81	87-12	87-12	-	-	-	-	-	-	-	-	-	-	79-80	81
79-80	80	89-19	87-04	79-10	76-23	78-18	77-00	-	-	-	-	92-29	92-26	79-80	80
78-79	80	-	-	-	-	-	-	-	-	-	-	96-31	95-24	78-79	80

TREASURY NOTES

Monthly Range of Futures Prices
Points and 32nds of 100 Percent

September Delivery

Trading	Delivery	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	81	-	-	-	-	78-00	77-31	-	-	-	-	-	-	80-81	81
79-80	81	-	-	91-25	87-06	89-18	89-09	87-12	87-12	-	-	-	-	79-80	81
79-80	80	93-00	85-00	86-27	86-22	90-02	89-28	-	-	84-07	78-09	-	-	79-80	80
78-79	81	-	-	-	-	-	-	-	-	-	-	-	-	78-79	81
78-79	80	-	-	-	-	-	-	-	-	-	-	-	-	78-79	80
78-79	79	-	-	-	-	-	-	-	-	-	-	-	-	78-79	79

Trading	Delivery	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80-81	81	-	-	-	-	-	-	-	-	-	-	-	-	80-81	81
79-80	81	-	-	92-16	91-13	-	-	-	-	-	-	-	-	79-80	81
79-80	80	-	-	92-00	91-23	-	-	-	-	-	-	-	-	79-80	80
78-79	81	-	-	-	-	-	-	96-22	95-05	96-00	95-13	-	-	78-79	81
78-79	80	-	-	-	-	95-26	95-13	96-28	95-24	96-02	95-26	93-25	93-20	78-79	80
78-79	79	-	-	-	-	97-11	96-02	97-17	95-27	96-17	94-09	93-31	93-22	78-79	79

December Delivery

Trading	Delivery	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	81	87-04	87-04	-	-	-	-	-	-	-	-	-	-	80	81
79	81	-	-	-	-	-	-	-	-	-	-	-	-	79	81
79	80	-	-	-	-	-	-	-	-	-	-	-	-	79	80
79	79	-	-	-	-	-	-	-	-	-	-	97-12	96-00	79	79

Trading	Delivery	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Trading	Delivery
Year	Year	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	Year	Year
80	81	-	-	-	-	-	-	-	-	-	-	-	-	80	81
79	81	96-17	95-01	-	-	-	-	-	-	91-25	87-05	90-02	90-02	79	81
79	80	96-24	95-19	96-00	94-12	93-25	93-17	92-30	92-26	-	-	90-06	89-28	79	80
79	79	97-18	96-02	96-24	94-19	94-24	94-00	93-23	86-11	90-27	86-28	90-20	90-04	79	79

CHICAGO BOARD OF TRADE

Treasury Notes Deliveries Against Futures Commitments (Contracts)

1980

	Mar.	1	June	1	Sept.	1	Dec.	1
1								
2								
3	14	6/25/79					2	9/27/79
4	49	6/27/79						
5			23	7/18/79				
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17			36	7/18/79				
18								
19								
20								
21								
22								
23								
24					1	9/27/80		
25					1	9/27/80		
26			23	10/18/79				
27								
28	1	9/27/79						
29								
30								
31								
Total	64		82		2		2	

[1] Last date into which commodity was assigned.

SECURITY YIELDS AND RATES
(Percent Per Annum)

Period	Prime Rate Charged	Prime Commercial Paper [1]	Short-Term U.S. Government Obligations			Long-Term Bonds [3]		Mortgages
			Federal [2] Funds	Federal [3] Reserve Discount.	Treasury [4] Bills	U.S. Govt.	Aaa State Local Govt.	Conventional [6] New Homes
1980								
January	15.25	13.04	14.13	12.52	12.86	10.65	11.73	12.80
February	15.63	13.78	17.19	13.00	15.20	12.21	13.57	14.10
March	18.31	16.81	17.19	13.00	15.20	12.49	14.00	16.05
April	19.77	15.78	17.61	13.00	13.20	11.42	12.90	15.55
May	16.57	9.49	10.98	12.94	8.58	10.44	11.53	13.20
June	12.63	8.27	9.47	11.40	7.07	9.89	10.96	12.45
July	11.48	8.41	9.03	10.87	8.06	10.32	11.60	12.45
August	11.12	9.61	9.57	10.00	9.13	11.07	8.67	12.32
September	12.23	10.87	10.97	10.17	10.27	11.47	8.94	12.74
October	13.79	12.81	12.52	11.00	11.62	11.75	9.11	13.18
November	16.06	15.85	15.18	11.47	13.73	12.44	9.56	13.85
December	20.35	18.90	18.07	12.87	15.49	12.49	10.11	14.51
1980	15.27	12.80	13.49	11.85	11.70	11.39	11.06	14.63
1979	12.67	10.99	11.21	10.28	10.07	9.33	10.03	11.13
1978	9.06	7.94	7.93	7.46	7.19	8.48	7.00	9.68
1977	6.82	5.55	5.27	5.53	6.85	7.06	5.20	9.01
1976	6.84	5.24	4.98	5.26	6.94	6.78	5.66	8.99
1975	7.86	6.26	5.80	6.11	7.55	6.98	6.42	9.01
1974	10.81	10.05	7.84	7.95	7.81	6.99	5.89	8.92
1973	8.03	8.20	7.03	7.20	6.92	6.30	4.99	7.95
1972	5.25	4.66	4.07	4.49	5.85	5.63	5.04	7.60

Source: Federal Reserve Bulletin

WHOLESALE PRICES

Not Seasonally Adjusted
1967=100

Period	All Commodities	Farm Products			Processed Foods and Feeds	Industrial Commodities						
		Grains	Live Poultry	Livestock		Chemical and Allied Products	Fuel and Power	Lumber and Wood Products	Machinery and Equipment	Metals and Metal Products	Textiles and Apparels	Transportation Equipment
1980												
Jan.	254.9	214.6	195.2	247.8	228.5	246.0	508.0	290.0	227.6	284.6	175.2	198.7
Feb.	260.2	223.3	184.6	257.2	233.1	248.7	532.7	294.7	230.2	288.9	176.5	198.2
Mar.	261.9	217.9	180.1	251.8	231.6	252.8	553.5	294.9	232.5	286.8	179.3	198.8
April	262.8	210.8	171.9	230.5	228.6	259.8	566.6	275.6	236.4	284.4	181.2	203.2
May	264.2	219.0	171.3	233.3	233.1	262.5	572.1	272.1	237.6	282.8	182.0	202.5
June	265.2	215.3	166.6	240.0	233.8	262.8	576.5	279.8	239.2	281.9	183.0	203.1
July	269.8	244.8	227.2	260.5	241.1	262.7	585.4	288.9	241.3	281.5	184.3	204.9
Aug.	273.1	256.5	224.5	275.7	249.1	264.3	589.5	295.3	242.2	282.7	185.2	208.6
Sept.	274.1	260.6	241.0	266.8	249.8	263.2	593.0	291.8	244.3	286.2	186.2	204.2
Oct.	277.0	269.2	222.9	263.0	255.4	264.6	592.5	288.7	246.4	290.4	187.8	215.8
Nov.	278.4	270.9	221.0	254.8	256.5	266.9	597.6	293.4	247.7	290.7	189.3	216.0
Dec.	280.3	265.2	218.9	251.4	250.8	267.9	611.7	299.4	249.5	290.7	190.2	224.1
1980	268.5	239.0	202.1	252.7	241.0	260.2	573.2	288.7	239.6	286.0	183.4	206.5
1979	235.4	214.8	194.3	260.3	222.5	202.8	408.1	300.3	213.7	259.2	168.6	188.0
1978	209.3	182.5	199.8	220.1	202.6	198.8	322.5	275.9	196.0	227.0	159.6	176.6
1977	194.2	165.3	175.4	173.0	186.1	192.7	302.1	235.4	181.7	209.0	153.9	161.3
1976	182.9	205.9	166.9	173.3	178.0	187.0	265.5	233.0	170.9	195.8	148.0	151.1
1975	174.9	223.9	189.8	187.9	182.6	181.3	245.1	192.5	161.4	185.6	137.9	141.5
1974	160.1	257.9	157.4	170.6	170.9	146.8	208.3	207.1	139.4	171.9	139.1	125.5
1973	134.7	183.6	179.5	190.4	148.1	110.0	134.3	177.2	121.7	132.8	123.8	115.1
1972	119.1	102.9	104.0	142.5	120.8	104.2	118.6	144.3	117.9	123.5	113.6	113.7
1971	113.9	100.9	100.3	118.3	114.3	104.2	114.2	127.0	115.5	119.0	108.6	110.3

Source: Survey of Current Business

CONSUMER PRICES
Not Seasonally Adjusted
1967=100

Period	All Items	Food	Housing	Apparel and Upkeep	Transportation	Medical Care
1980						
January	232.2	243.8	247.3	171.0	233.5	253.9
February	236.4	244.9	250.5	171.9	239.6	257.9
March	239.8	247.3	254.5	176.0	243.7	260.2
April	242.5	249.1	257.9	177.3	246.8	262.0
May	244.9	250.4	261.7	177.5	249.0	263.4
June	247.6	252.0	266.7	177.2	249.7	264.7
July	247.8	254.8	265.1	176.2	251.0	266.6
August	249.4	258.7	265.8	178.6	252.7	268.4
September	251.7	261.1	267.7	182.2	254.7	270.6
October	253.9	262.4	271.1	183.9	256.1	272.8
November	256.2	264.5	273.8	184.9	259.0	274.5
December	258.4	266.4	276.9	183.9	261.1	275.8
1980	246.7	254.6	263.3	178.4	249.7	265.9
1979	217.6	234.5	227.6	166.6	212.0	239.7
1978	195.4	211.4	202.8	159.6	185.5	219.4
1977	181.5	192.2	189.2	153.7	177.2	173.7
1976	170.5	180.8	177.2	147.6	165.5	163.3
1975	161.2	175.4	166.8	142.3	150.6	153.5
1974	147.7	161.7	150.6	136.2	137.7	140.3
1973	133.1	141.4	135.0	126.8	123.8	130.2
1972	125.3	123.5	129.2	122.3	119.9	126.1
1971	121.3	118.4	124.3	119.8	118.6	122.2

Source: Survey of Current Business

MONEY SUPPLY
Billions of Dollars

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
M1 (Demand Deposits and Currency Outside Banks) 1/												
1980	370.8	373.8	373.1	376.6	367.8	371.3	373.7	379.7	383.7	386.7	388.9	N/A
1979	359.7	358.6	359.0	364.3	364.5	369.0	372.2	374.3	377.8	366.6	368.0	369.7p
1978	341.9	342.4	343.2	347.9	350.7	352.5	354.5	357.0	361.1	361.6	360.6	361.2
1977	313.8	314.0	315.4	320.5	320.7	321.9	326.8	328.4	330.4	333.7	333.2	335.4
1976	195.1	296.6	298.1	301.8	303.5	303.2	305.0	306.3	306.9	310.5	310.4	312.4
1975	281.9	281.9	284.1	284.9	287.6	291.0	291.9	293.2	293.6	293.4	295.6	294.8
1974	270.9	273.1	275.2	276.6	277.6	280.0	280.4	280.5	280.7	281.6	283.6	283.1
1973	256.7	257.9	258.1	259.4	262.4	265.5	266.4	266.3	265.5	266.6	269.4	271.5
1972	236.2	239.1	241.4	243.0	243.8	245.1	247.7	248.6	250.1	251.6	252.7	255.5
1971	221.8	224.4	226.2	228.0	230.6	232.5	234.1	234.6	234.9	235.7	235.6	236.0
M2 (M1 plus Savings Deposits, Time Deposits Open Acct. & Specified Time Certificates of Deposit) 1/												
1980	1,534.5	1,546.7	1,553.1	1,549.9	1,562.1	1,585.7	1,609.7	1,629.2	1,640.7	1,653.6	1,668.8	N/A
1979	875.0	976.7	879.5	889.8	893.8	904.4	914.1	922.5	932.0	938.5	943.5	958.5p
1978	816.0	819.4	822.6	830.3	836.7	842.6	848.7	856.9	866.2	870.9	873.7	875.8
1977	746.3	750.7	756.1	764.6	767.6	772.8	783.5	787.7	792.9	799.6	802.7	806.5
1976	670.3	678.2	682.6	690.6	695.7	698.5	705.2	710.5	716.3	725.7	732.3	740.3
1975	614.5	618.2	623.0	626.7	633.7	642.4	647.5	650.6	652.9	655.7	661.6	664.3
1974	575.5	580.9	585.5	589.4	591.6	597.1	599.6	601.9	603.4	607.6	611.6	612.4
1973	527.9	532.3	534.6	538.3	543.7	549.5	552.1	555.1	556.8	561.9	567.3	571.4
1972	477.3	482.9	487.6	490.6	494.1	498.4	503.7	507.8	511.9	516.6	520.1	525.3
1971	429.4	436.5	443.3	447.8	452.7	456.7	459.4	461.2	462.9	466.5	496.5	473.1

1/ Adjusted for Seasonal Variation, Average of Daily Figures.
p = Preliminary
Source: Federal Reserve Bulletin

GROSS NATIONAL PRODUCT
Seasonally Adjusted at Annual Rates
Billion of 1972 Dollars

Quarter	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
I	1,501.9	1,479.9	1,367.8	1,311.0	1,256.0	1,161.1	1,230.4	1,227.7	1,141.2	1,095.3
II	1,463.3	1,473.4	1,395.2	1,330.7	1,271.5	1,177.1	1,220.8	1,228.4	1,163.0	1,103.3
III	1,471.9	1,488.2	1,407.3	1,343.9	1,283.7	1,209.3	1,212.9	1,236.5	1,178.0	1,111.0
IVp	1,486.5	1,490.6	1,426.6	1,354.2	1,287.4	1,219.2	1,191.7	1,242.6	1,202.2	1,120.5
Annual	1,480.9	1,483.0	1,399.2	1,335.0	1,274.7	1,191.7	1,214.0	1,235.0	1,117.0	1,107.5

Source: Survey of Current Business

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